

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2019 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2019 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

Waterway			Bank	Unit Miles
Unit No. 01 Yolo Bypass			Left	15.41
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/21/2019 - 3/21/2019			
DWR Inspector	Luz Dial			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>53</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD0999_01_s_2013_53				
Comment Code					
Inspector Comment					
The LMA has a copy of the O & M manual on file.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>54</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD0999_01_s_2019_54				
Comment Code					
Inspector Comment					
The LMA has adequate floodfight supplies and equipment on hand.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>55</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				
DWR ID	DWR_RD0999_01_s_2013_55				
Comment Code					
Inspector Comment					
The LMA is prepared for responding to floods and has received training.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	0.12	Rating **	U	Issue No.	1
LM End	0.39	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.503346 °	38.499389 °
				-121.582116 °	-121.581933 °
DWR ID	DWR_RD0999_01_s_2012_1				
Comment Code					
MA : Material					
Inspector Comment					
Landfill has been in place for several years. Instruct landowner to apply for a CVFPB permit to authorize hauled material on the waterward berm.					

LM Start	<b>0.12</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>0.39</b>	Issue Type +	En	Location *	WS

Photo 1 of 3 : SP\_2019\_RD0999\_232\_1\_20190307\_00001.jpg



Looking west at fill on waterward berm. Spring 2016

Photo 2 of 3 : SP\_2019\_RD0999\_232\_1\_20190307\_00002.jpg



Looking west at fill on waterward berm. Spring 2016

Photo 3 of 3 : SP\_2019\_RD0999\_232\_1\_20190307\_00003.jpg



Looking west at material on waterward berm.

LM Start	<b>0.12</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>0.39</b>	Issue Type +	En	Location *	WS

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	0.27	Rating **	M	Issue No.	3
LM End	0.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.501113 °	38.501113 °
				-121.581975 °	-121.581975 °
DWR ID	DWR_RD0999_01_s_2012_3				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_3\_20190307\_00004.jpg



View of landside slope looking south. Fall 2017

LM Start	1.73	Rating **	M	Issue No.	919
LM End	1.73	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.480097 °	38.480097 °
				-121.580844 °	-121.580844 °
DWR ID	22743				
Comment Code					
Inspector Comment					
FS_ID:53368 DS_ID:22743 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/26/2018 Same as last inspection. Pipe open on WS, but no visual signs of pipe or levee integrity issues so downgrading crossing to Non-Urgent (D. Sanoski - DWR UCIP).07/07/2016 Condition largely unchanged from previous inspection. Pipe open on the WS, waterward of the siphon breaker. Dense vegetation and steep slope limited inspection of WS outlet into Ship Channel. (T. Hatch/UCIP) 06/25/2013 Pipe abandoned and open on WS slope. Pipe should be abandoned properly. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 30-inch steel drainage pipe through the levee, 6.5 feet below the crown. Pump on a platform in the canal off the landside (LS) toe, not found. Flap gate on the waterside (WS), not found. Siphon breaker and an air vent on the WS shoulder. 1-inch galvanized iron filler pipe visible on the WS shoulder along same alignment. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 1.73)]. FS Date: 7/26/2018 10:10:00 AM					

Photo 1 of 3 : UCIP\_SP\_2019\_53368\_25191.jpg



Pipe open on WS slope

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	1.73	Rating **	M	Issue No.	919 (cont)	
LM End	1.73	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.480097 °	38.480097 °	
				-121.580844 °	-121.580844 °	
DWR ID	22743					
Comment Code						
Inspector Comment						
FS_ID:53368 DS_ID:22743 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/26/2018 Same as last inspection. Pipe open on WS, but no visual signs of pipe or levee integrity issues so downgrading crossing to Non-Urgent (D. Sanoski - DWR UCIP).07/07/2016 Condition largely unchanged from previous inspection. Pipe open on the WS, waterward of the siphon breaker. Dense vegetation and steep slope limited inspection of WS outlet into Ship Channel. (T. Hatch/UCIP) 06/25/2013 Pipe abandoned and open on WS slope. Pipe should be abandoned properly. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 30-inch steel drainage pipe through the levee, 6.5 feet below the crown. Pump on a platform in the canal off the landside (LS) toe, not found. Flap gate on the waterside (WS), not found. Siphon breaker and an air vent on the WS shoulder. 1-inch galvanized iron filler pipe visible on the WS shoulder along same alignment. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 1.73)]. FS Date: 7/26/2018 10:10:00 AM						

LM Start	<b>1.73</b>	Rating **	M	Issue No.	<b>919 (cont)</b>
LM End	<b>1.73</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_53368\_25190.jpg



Pump platform visible off LS toe, but no appurtenances remain.

Photo 3 of 3 : UCIP\_SP\_2019\_53368\_25189.jpg



Pump platform visible off LS toe, but no appurtenances remain.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	1.79	Rating **	M	Issue No.	30
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.479165 °	38.475463 °
				-121.580640 °	-121.580722 °
DWR ID	DWR_RD0999_01_s_2012_30				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
LMA claimed that RD765 is responsible for maintenance for landside section approximately between LM 1.79-2.25, but DWR forwarded the LMA their boundary map located in the USACE Unit 113 O&M Manual.					

Photo 1 of 2 : SP\_2019\_RD0999\_232\_30\_20190307\_00015.jpg



View of untrimmed trees on landside slope. LMA claims that RD 765 is responsible for maintenance. Fall 2018

LM Start	<b>1.79</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>2.04</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0999\_232\_30\_20190307\_00016.jpg



Looking southeast at dense trees on landward slope. (Fall 2016)

LM Start	2.09	Rating **	M	Issue No.	13
LM End	2.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.474818 °	38.474352 °
				-121.580512 °	-121.580497 °
DWR ID	DWR_RD0999_01_s_2019_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	2.09	Rating **	M	Issue No.	920
LM End	2.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.474783 °	38.474783 °
				-121.580428 °	-121.580428 °
DWR ID	23957				
Comment Code					
Inspector Comment					
FS_ID:16324 DS_ID:23957 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: 20-inch steel gas line through the levee at an unknown depth. Gasline markers on both shoulders. (Permit No. 16311, 1996) FS Date: 6/25/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_16324\_27501.jpg



Gasline markers on WS shoulder with USAA paint on roadway.

LM Start	<b>2.09</b>	Rating **	M	Issue No.	<b>920 (cont)</b>
LM End	<b>2.09</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_16324\_27500.jpg



Gasline marker on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	2.13	Rating **	M	Issue No.	31
LM End	2.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.474200 °	38.474200 °
				-121.580480 °	-121.580480 °
DWR ID	DWR_RD0999_01_f_2018_31				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
LMA claims that RD765 is responsible for maintenance and is searching for documentation.					

Photo 1 of 3 : SP\_2019\_RD0999\_232\_31\_20190307\_00017.jpg



View of untrimmed trees on landside slope. LMA claims that RD 765 is responsible for maintenance. Fall 2018

LM Start	<b>2.13</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>2.13</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP\_2019\_RD0999\_232\_31\_20190307\_00018.jpg



Looking north at untrimmed trees on landward slope. ( Fall 2016)

LM Start	<b>2.13</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>2.13</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP\_2019\_RD0999\_232\_31\_20190307\_00019.jpg



Looking southeast at untrimmed trees on landward slope. (Spring 2016)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	2.17	Rating **	M	Issue No.	32
LM End	2.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.473650 °	38.473650 °
				-121.580756 °	-121.580756 °
DWR ID	DWR_RD0999_01_f_2017_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Trim wild growth on levee slope, and monitor Arundo in area.					

Photo 1 of 2 : SP\_2019\_RD0999\_232\_32\_20190307\_00020.jpg



View of tall weeds on levee slope. Fall 2018

LM Start	<b>2.17</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>2.17</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0999\_232\_32\_20190307\_00021.jpg



View of Arundo further down levee slope. Fall 2018

LM Start	2.24	Rating **	M	Issue No.	15
LM End	2.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.472842 °	38.471937 °
				-121.581348 °	-121.581760 °
DWR ID	DWR_RD0999_01_s_2019_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_15\_20190325\_00064.jpg



View of tall weeds on waterside slope. Spring 2019

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	2.39	Rating **	M	Issue No.	21
LM End	2.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.470793 °	38.470280 °
				-121.582295 °	-121.582533 °
DWR ID	DWR_RD0999_01_s_2019_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.45	Rating **	M	Issue No.	28
LM End	2.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.469875 °	38.469875 °
				-121.582733 °	-121.582733 °
DWR ID	DWR_RD0999_01_s_2019_28				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.48	Rating **	M	Issue No.	37
LM End	2.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.469467 °	38.469243 °
				-121.582897 °	-121.583000 °
DWR ID	DWR_RD0999_01_s_2019_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	2.72	Rating **	M	Issue No.	38
LM End	2.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.466242 °	38.465495 °
				-121.584372 °	-121.584717 °
DWR ID	DWR_RD0999_01_s_2019_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.22	Rating **	M	Issue No.	51
LM End	3.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.459399 °	38.459399 °
				-121.587523 °	-121.587523 °
DWR ID	DWR_RD0999_01_s_2013_51				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Depression on landward shoulder and slope 40' x 20'. Earthen material appears to be sliding toward levee toe.					

Photo 1 of 3 : SP\_2019\_RD0999\_232\_51\_20190307\_00031.jpg



View of landside slope looking south. Fall 2017

LM Start	<b>3.22</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>3.22</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP\_2019\_RD0999\_232\_51\_20190307\_00032.jpg



Looking northeast at depression on landward slope. Fall 2016

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	3.22	Rating **	M	Issue No.	51 (cont)	
LM End	3.22	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.459399 °		38.459399 °
				-121.587523 °		-121.587523 °
DWR ID	DWR_RD0999_01_s_2013_51					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Depression on landward shoulder and slope 40' x 20'. Earthen material appears to be sliding toward levee toe.						

Photo 3 of 3 : SP\_2019\_RD0999\_232\_51\_20190307\_00033.jpg



Looking north at depression on landside shoulder and slope. Spring 2016

LM Start	3.61	Rating **	M	Issue No.	40
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.454113 °	38.453857 °
				-121.589963 °	-121.590077 °
DWR ID	DWR_RD0999_01_s_2019_40				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	3.93	Rating **	M	Issue No.	41
LM End	3.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.449732 °	38.449732 °
				-121.591975 °	-121.591975 °
DWR ID	DWR_RD0999_01_s_2019_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	4.16	Rating **	N	Issue No.	14
LM End	4.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.446619 °	38.446619 °
				-121.593442 °	-121.593442 °
DWR ID	DWR_RD0999_01_s_2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	4.31	Rating **	M	Issue No.	27
LM End	4.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.444560 °	38.444560 °
				-121.594440 °	-121.594440 °
DWR ID	DWR_RD0999_01_f_2012_27				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Instruct farmer to stop driving equipment and trucks on slope.					

Photo 1 of 2 : SP\_2019\_RD0999\_232\_27\_20190307\_00012.jpg

Looking at slope damage cause by vehicle traffic on waterward slope.  
(Fall 2016)

LM Start	<b>4.31</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>4.31</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0999\_232\_27\_20190307\_00013.jpg

Looking at slope damage cause by vehicle traffic on waterward slope.  
(Spring 2015)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	5.13	Rating **	M	Issue No.	42
LM End	5.13	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.433425 °	38.433425 °
				-121.599627 °	-121.599627 °
DWR ID	DWR_RD0999_01_s_2019_42				
Comment Code					
EQ : Equipment					
Inspector Comment					
Instruct landowner to move farming equipment to at least 10' away from the levee toe.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_42\_20190325\_00065.jpg



View of farming equipment and materials at waterside toe. Spring 2019

LM Start	5.21	Rating **	M	Issue No.	43
LM End	5.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.432322 °	38.432322 °
				-121.600123 °	-121.600123 °
DWR ID	DWR_RD0999_01_s_2019_43				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Complete repair of a ~60' length of slip.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_43\_20190325\_00066.jpg



View of slip on landside slope. Spring 2019

LM Start	6.56	Rating **	M	Issue No.	46
LM End	6.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.413957 °	38.413957 °
				-121.608555 °	-121.608555 °
DWR ID	DWR_RD0999_01_s_2019_46				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	6.63	Rating **	M	Issue No.	47
LM End	6.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.412998 °	38.412998 °
				-121.608980 °	-121.608980 °
DWR ID	DWR_RD0999_01_s_2019_47				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.36	Rating **	M	Issue No.	19
LM End	7.48	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.403075 °	38.401370 °
				-121.613597 °	-121.614391 °
DWR ID	DWR_RD0999_01_s_2018_19				
Comment Code					
EQ : Equipment					
Inspector Comment					
Instruct landowner to move equipment to at least 10' away from waterside toe.					

No Photos

LM Start	8.15	Rating **	M	Issue No.	58
LM End	8.15	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.392225 °	38.392225 °
				-121.618630 °	-121.618630 °
DWR ID	DWR_RD0999_01_s_2019_58				
Comment Code					
DE : Debris					
Inspector Comment					
Remove broken concrete and abandoned equipment on waterside berm.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_58\_20190325\_00067.jpg



View of broken concrete and equipment dumped on waterside berm.  
Spring 2019

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	8.17	Rating **	A/W	Issue No.	16
LM End	8.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.391963 °	38.391963 °
				-121.618782 °	-121.618782 °
DWR ID	DWR_RD0999_01_f _ 2018_16				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Monitor desiccation cracks on slope.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_16\_20190307\_00005.jpg



View of desiccation cracks on levee slope. Fall 2018

LM Start	8.49	Rating **	A/W	Issue No.	17
LM End	8.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.387645 °	38.387645 °
				-121.620810 °	-121.620810 °
DWR ID	DWR_RD0999_01_f_2018_17				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Monitor desiccation cracks on landside shoulder.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_17\_20190307\_00006.jpg



View of desiccation cracks on levee shoulder. Fall 2018

LM Start	8.80	Rating **	U	Issue No.	18
LM End	8.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.383468 °	38.383468 °
				-121.622748 °	-121.622748 °
DWR ID	DWR_RD0999_01_f_2018_18				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill large animal burrows at shoulder and slope.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_18\_20190307\_00007.jpg



View of large animal burrows at shoulder and slope. Fall 2018

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	8.89	Rating **	A/W	Issue No.	22
LM End	8.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.382145 °	38.382145 °
				-121.623363 °	-121.623363 °
DWR ID	DWR_RD0999_01_f_2018_22				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Desiccation cracks should be monitored.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_22\_20190307\_00008.jpg



View of cracking on slope. Fall 2018

LM Start	8.91	Rating **	M	Issue No.	52
LM End	8.91	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.381878 °	38.381878 °
				-121.623478 °	-121.623478 °
DWR ID	DWR_RD0999_01_s_2019_52				
Comment Code					
DE : Debris					
Inspector Comment					
Remove pallet debris from waterside slope.					

No Photos

LM Start	9.12	Rating **	M	Issue No.	918
LM End	9.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.379019 °	38.377261 °
				-121.624777 °	-121.625619 °
DWR ID	DWR_RD0999_01_s_2012_918				
Comment Code					
FE : Fence					
Inspector Comment					
Instruct landowner to apply for a CVFPB permit for fence along landward shoulder.					

Photo 1 of 2 : SP\_2019\_RD0999\_232\_918\_20190307\_00039.jpg



Looking south at fence along landside shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	9.12	Rating **	M	Issue No.	918 (cont)	
LM End	9.25	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.379019 °		38.377261 °
				-121.624777 °		-121.625619 °
DWR ID	DWR_RD0999_01_s_2012_918					
Comment Code						
FE : Fence						
Inspector Comment						
Instruct landowner to apply for a CVFPB permit for fence along landward shoulder.						

Photo 2 of 2 : SP\_2019\_RD0999\_232\_918\_20190307\_00040.jpg



Looking north at fence along landside shoulder.

LM Start	9.15	Rating **	M	Issue No.	23
LM End	9.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.378623 °	38.378345 °
				-121.624962 °	-121.625092 °
DWR ID	DWR_RD0999_01_f_2018_23				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	9.34	Rating **	A/W	Issue No.	24
LM End	9.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.376127 °	38.376127 °
				-121.626140 °	-121.626140 °
DWR ID	DWR_RD0999_01_s_2019_24				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill animal burrow and monitor area.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	9.50	Rating **	M	Issue No.	921
LM End	9.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.373823 °	38.373823 °
				-121.627212 °	-121.627212 °
DWR ID	22750				
Comment Code					
Inspector Comment					
FS_ID:24413					
DS_ID:22750					
EP_NO: 13300					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 6-inch coated steel irrigation pipe through the levee, 3 feet below the crown. Joint pole (JP) and meter at abandoned pump location on the landside (LS) toe. (Permit No. 13300, 1981 - Eldon M. Studarus). [Additional Reference(s): DWR Levee Log, 1992].					
FS Date: 6/25/2013					

LM Start	<b>9.50</b>	Rating **	M	Issue No.	<b>921 (cont)</b>
LM End	<b>9.50</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_24413\_43357.jpg



JP and meter at site of abandoned pump.

Photo 2 of 3 : UCIP\_SP\_2019\_24413\_43356.jpg



Pipe open on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	9.50	Rating **	M	Issue No.	921 (cont)	
LM End	9.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.373823 °	38.373823 °	
				-121.627212 °	-121.627212 °	
DWR ID	22750					
Comment Code						
Inspector Comment						
FS_ID:24413 DS_ID:22750 EP_NO: 13300 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 6-inch coated steel irrigation pipe through the levee, 3 feet below the crown. Joint pole (JP) and meter at abandoned pump location on the landside (LS) toe. (Permit No. 13300, 1981 - Eldon M. Studarus). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 6/25/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_24413\_43355.jpg



JP and meter at site of abandoned pump.

LM Start	9.64	Rating **	M	Issue No.	29
LM End	9.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.372002 °	38.371283 °
				-121.627998 °	-121.628382 °
DWR ID	DWR_RD0999_01_f_2018_29				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Trim vegetation on slope.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_29\_20190307\_00014.jpg



View of slope vegetation that needs to be trimmed. Fall 2018

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	9.64	Rating **	M	Issue No.	56
LM End	9.64	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.372002 °	38.372002 °
				-121.628052 °	-121.628052 °
DWR ID	DWR_RD0999_01_f_2015_56				
Comment Code					
CR : Crops					
Inspector Comment					
Instruct landowner to apply for a CVFPB permit for authorization of crop plantings and pole and tool shed installations on waterside berm.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_56\_20190307\_00034.jpg



Looking west at crop, poles, and tool sheds on waterward berm.

LM Start	9.65	Rating **	M	Issue No.	34
LM End	9.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.371885 °	38.371652 °
				-121.628087 °	-121.628198 °
DWR ID	DWR_RD0999_01_f_2017_34				
Comment Code					
FE : Fence					
Inspector Comment					
Instruct landowner to move fence outside of easement or apply for a CVFPB permit to authorize fence.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_34\_20190307\_00023.jpg



View of landside slope looking south.

LM Start	9.68	Rating **	M	Issue No.	25
LM End	9.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.371462 °	38.370848 °
				-121.628370 °	-121.628610 °
DWR ID	DWR_RD0999_01_f_2018_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Trim vegetation on slopes.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_25\_20190307\_00010.jpg



View of landside vegetation that needs to be trimmed. Fall 2018

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	9.75	Rating **	M	Issue No.	20
LM End	9.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.370502 °	38.367903 °
				-121.628975 °	-121.630017 °
DWR ID	DWR_RD0999_01_s_2012_20				
Comment Code					
FE : Fence					
Inspector Comment					
Instruct landowner to move fence outside of easement or apply for a CVFPB permit to authorize fence at landside shoulder.					

No Photos

LM Start	9.87	Rating **	M	Issue No.	26
LM End	9.87	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.368898 °	38.368898 °
				-121.629470 °	-121.629470 °
DWR ID	DWR_RD0999_01_s_2012_26				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trees should be trimmed up to 5' above the ground for visibility.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_26\_20190307\_00011.jpg



Looking northwest at dense trees on waterside slope.

LM Start	9.98	Rating **	M	Issue No.	33
LM End	9.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.367303 °	38.367303 °
				-121.630278 °	-121.630278 °
DWR ID	DWR_RD0999_01_f_2018_33				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill recent rodent holes.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_33\_20190307\_00022.jpg



View of rodent holes that need to be backfilled. Fall 2018

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	10.08	Rating **	M	Issue No.	922
LM End	10.08	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.366030 °	38.366030 °
				-121.630811 °	-121.630811 °
DWR ID	22751				
Comment Code					
Inspector Comment					
FS_ID:24414					
DS_ID:22751					
EP_NO: 5541					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Pipe appears abandoned and should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 10-inch pipe of an unknown material or purpose through the levee, 2 feet below the crown. Could not find, February 1991. Electromagnetic survey indicates there is a pipe at this location. (Permit No. 5541, 1966 - Eldon M. Studarus). [Additional Reference(s): DWR Levee Log, 1992].					
FS Date: 6/25/2013					

No Photos

LM Start	10.28	Rating **	M	Issue No.	57
LM End	10.65	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.363250 °	38.358175 °
				-121.632112 °	-121.634490 °
DWR ID	DWR_RD0999_01_f_2015_57				
Comment Code					
EQ : Equipment					
Inspector Comment					
Instruct landowner to move farm equipment to at least 10' away from waterside toe.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_57\_20190307\_00035.jpg



Looking southwest at farm equipment stored at waterward berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	10.93	Rating **	M	Issue No.	48
LM End	10.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.354377 °	38.354377 °
				-121.636255 °	-121.636255 °
DWR ID	DWR_RD0999_01_s_2019_48				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree from waterside slope.					

No Photos

LM Start	11.16	Rating **	A/W	Issue No.	35
LM End	11.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.351308 °	38.351308 °
				-121.637642 °	-121.637642 °
DWR ID	DWR_RD0999_01_f_2018_35				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill animal burrow.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	12.28	Rating **	U	Issue No.	923
LM End	12.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.335834 °	38.335834 °
				-121.643977 °	-121.643977 °
DWR ID	22752				
Comment Code					
Inspector Comment					
FS_ID:53369 DS_ID:22752 EP_NO: 11735 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/26/2018 Appears abandoned. WS pipe has a welded metal plate to end and LS pipe end is open. Keeping as Urgent because of levee integrity concern on WS where the levee prism has a large cut into it at the pipe discharge location (D. Sanoski - DWR UCIP).07/07/2016 - Appears abandoned. Pipe is visible in exposed cut on the WS slope of the levee. Riser on LS shoulder damaged from vandalism. welded plate on WS. No pump found on the platform in the drainage ditch. (T. Hatch/UCIP)06/25/2013 - Appears abandoned. Pipe exposed in cut on on WS slope and open at LS toe. No pump or appurtenances. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel drainage pipe through the levee, 7 feet below the crown. Pump in a drainage ditch on the landside (LS) with a sheet pile headwall, not found. Flap gate on the waterside (WS), not found. Siphon breaker in a riser on the LS slope. (Replaced an existing 24-inch steel pipe under Permit No. 11735, 1978 - Reclamation District No. 999). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 12.29)]. FS Date: 7/26/2018 10:16:00 AM					

LM Start	12.28	Rating **	U	Issue No.	923 (cont)
LM End	12.28	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53369\_25415.jpg



Pipe visible in exposed cut on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_53369\_25414.jpg



Siphon breaker in CMP riser on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	12.28	Rating **	U	Issue No.	923 (cont)	
LM End	12.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.335834 °		38.335834 °
				-121.643977 °		-121.643977 °
DWR ID	22752					
Comment Code						
Inspector Comment						
FS_ID:53369 DS_ID:22752 EP_NO: 11735 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/26/2018 Appears abandoned. WS pipe has a welded metal plate to end and LS pipe end is open. Keeping as Urgent because of levee integrity concern on WS where the levee prism has a large cut into it at the pipe discharge location (D. Sanoski - DWR UCIP).07/07/2016 - Appears abandoned. Pipe is visible in exposed cut on the WS slope of the levee. Riser on LS shoulder damaged from vandalism. welded plate on WS. No pump found on the platform in the drainage ditch. (T. Hatch/UCIP)06/25/2013 - Appears abandoned. Pipe exposed in cut on on WS slope and open at LS toe. No pump or appurtenances. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel drainage pipe through the levee, 7 feet below the crown. Pump in a drainage ditch on the landside (LS) with a sheet pile headwall, not found. Flap gate on the waterside (WS), not found. Siphon breaker in a riser on the LS slope. (Replaced an existing 24-inch steel pipe under Permit No. 11735, 1978 - Reclamation District No. 999). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 12.29)]. FS Date: 7/26/2018 10:16:00 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_53369\_25418.jpg



Steel plate welded over pipe on WS end at WS slope.

LM Start	12.28	Rating **	C	Issue No.	71
LM End	12.28	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.335814 °	38.335814 °
				-121.643997 °	-121.643997 °
DWR ID	DWR_RD0999_01_f_2016_71				
Comment Code					
FE : Fence					
Inspector Comment					
Landowner removed the gates across the levee crown and at the bottom of ramps on landward side.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	12.35	Rating **	M	Issue No.	59
LM End	12.35	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.334773 °	38.334773 °
				-121.644238 °	-121.644238 °
DWR ID	DWR_RD0999_01_s_2019_59				
Comment Code					
DE : Debris					
Inspector Comment					
Remove utility pole debris at waterside toe.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_59\_20190325\_00068.jpg



View of utility pole debris left on waterside toe. Spring 2019

LM Start	13.06	Rating **	M	Issue No.	924	
LM End	13.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.324535 °		38.324535 °
				-121.644958 °		-121.644958 °
DWR ID	22754					
Comment Code						
Inspector Comment						
FS_ID:24426 DS_ID:22754 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe appears abandoned in place and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel pipe of an unknown purpose through the levee, 5 feet below the crown. Located 4 feet downstream from a power pole on the landside (LS). Pipe open on the LS. Not located on the waterside (WS). LS toe of pipe is crushed, not plated. Not found, June 2013. Located by electromagnetic survey at this location. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 13.07)]. FS Date: 6/25/2013						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	14.04	Rating **	M	Issue No.	49
LM End	14.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.310347 °	38.310347 °
				-121.644955 °	-121.644955 °
DWR ID	DWR_RD0999_01_f_2012_49				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Repair caving, 4' x 10', on landside slope.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_49\_20190307\_00029.jpg



View of caving on landward slope. Fall 2018

LM Start	14.69	Rating **	M	Issue No.	36
LM End	14.69	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.301002 °	38.301002 °
				-121.644942 °	-121.644942 °
DWR ID	DWR_RD0999_01_s_2019_36				
Comment Code					
TA : Tank					
Inspector Comment					
Instruct landowner to remove a tank from the waterside berm or apply for a CVFPB permit.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_36\_20190325\_00069.jpg



View of tank placed on waterside berm. Spring 2019

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0999 Netherlands

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	15.24	Rating **	A/W	Issue No.	925 (cont)
LM End	15.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.292973 °	38.292973 °
				-121.644977 °	-121.644977 °
DWR ID	22756				
Comment Code					
Inspector Comment					
FS_ID:15365 DS_ID:22756 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Pump in pump house on the landside (LS) toe. Siphon breaker in a corrugated metal pipe (CMP) riser on the WS shoulder. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 15.25) (36-inch pipe listed)]. FS Date: 6/25/2013					

Photo 3 of 3 : UCIP\_SP\_2019\_15365\_25225.jpg



Closeup of pipe at pumphouse on LS toe.

LM Start	15.26	Rating **	U	Issue No.	44
LM End	15.47	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292702 °	38.290482 °
				-121.644967 °	-121.643790 °
DWR ID	DWR_RD0999_01_s_2016_44				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Instruct landowner to apply for a CVFPB permit to authorize palm trees planted on landward slope and toe.					

Photo 1 of 2 : SP\_2019\_RD0999\_232\_44\_20190307\_00027.jpg



Looking east at palm trees on landward slope next to ramp.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	15.26	Rating **	U	Issue No.	44 (cont)	
LM End	15.47	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.292702 °		38.290482 °
				-121.644967 °		-121.643790 °
DWR ID	DWR_RD0999_01_s_2016_44					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Instruct landowner to apply for a CVFPB permit to authorize palm trees planted on landward slope and toe.						

Photo 2 of 2 : SP\_2019\_RD0999\_232\_44\_20190307\_00028.jpg



LM Start	15.27	Rating **	M	Issue No.	39
LM End	15.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.292578 °	38.290525 °
				-121.644972 °	-121.644902 °
DWR ID	DWR_RD0999_01_s_2012_39				
Comment Code					
FE : Fence					
Inspector Comment					
Instruct landowner to move fence outside of easement or apply for a CVFPB permit to authorize fence along landside slope. Landowner added additional fencing on landward shoulder and slope.					

Photo 1 of 3 : SP\_2019\_RD0999\_232\_39\_20190307\_00024.jpg



Looking east at fencing on landward shoulder and slope. (Spring 2015)

LM Start	<b>15.27</b>	Rating **	M	Issue No.	<b>39 (cont)</b>
LM End	<b>15.41</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP\_2019\_RD0999\_232\_39\_20190307\_00025.jpg



Looking north at fence along landside slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	15.27	Rating **	M	Issue No.	39 (cont)	
LM End	15.41	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.292578 °		38.290525 °
				-121.644972 °		-121.644902 °
DWR ID	DWR_RD0999_01_s_2012_39					
Comment Code						
FE : Fence						
Inspector Comment						
Instruct landowner to move fence outside of easement or apply for a CVFPB permit to authorize fence along landside slope. Landowner added additional fencing on landward shoulder and slope.						

Photo 3 of 3 : SP\_2019\_RD0999\_232\_39\_20190307\_00026.jpg



Looking south at fence along landside slope.

LM Start	15.28	Rating **	M	Issue No.	45
LM End	15.28	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.292360 °	38.292360 °
				-121.644968 °	-121.644968 °
DWR ID	DWR_RD0999_01_s_2017_45				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings and utility poles from waterside slope.					

Photo 1 of 2 : SP\_2019\_RD0999\_232\_45\_20190325\_00071.jpg



View of prunings left on waterside slope. Spring 2019

LM Start	<b>15.28</b>	Rating **	M	Issue No.	<b>45 (cont)</b>
LM End	<b>15.28</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0999\_232\_45\_20190325\_00072.jpg



View of utility poles left on waterside slope. Spring 2019

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	15.33	Rating **	U	Issue No.	50
LM End	15.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.291663 °	38.291663 °
				-121.644962 °	-121.644962 °
DWR ID	DWR_RD0999_01_f_2012_50				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Instruct landowner to apply for a CVFPB permit to authorize palm trees planted on landside shoulder.					

Photo 1 of 1 : SP\_2019\_RD0999\_232\_50\_20190307\_00030.jpg



Looking east at palm trees (Spring 2017)

LM Start	15.36	Rating **	M	Issue No.	926
LM End	15.36	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291192 °	38.291192 °
				-121.644987 °	-121.644987 °
DWR ID	23970				
Comment Code					
Inspector Comment					
FS_ID:16330 DS_ID:23970 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch polyvinyl chloride (PVC) water line through the levee, 2 feet below the crown. Pump off the waterside (WS) toe visible at the water's edge. FS Date: 6/25/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_16330\_27512.jpg



Pipe visible at WS toe in grass.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/21/2019 03/21/2019	Luz Dial

LM Start	15.36	Rating **	M	Issue No.	926 (cont)
LM End	15.36	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291192 °	38.291192 °
				-121.644987 °	-121.644987 °
DWR ID	23970				
Comment Code					
Inspector Comment					
FS_ID:16330 DS_ID:23970 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch polyvinyl chloride (PVC) water line through the levee, 2 feet below the crown. Pump off the waterside (WS) toe visible at the water's edge. FS Date: 6/25/2013					

Photo 2 of 3 : UCIP\_SP\_2019\_16330\_27511.jpg



Possible pump visible off WS toe at waters edge.

LM Start	<b>15.36</b>	Rating **	M	Issue No.	<b>926 (cont)</b>
LM End	<b>15.36</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_16330\_27510.jpg



Pipe visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2019 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

Waterway			Bank	Unit Miles
Unit No. 02 Miner Slough			Right	2.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/21/2019 - 3/21/2019			
DWR Inspector	Luz Dial			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	0.01	Rating **	M	Issue No.	17
LM End	0.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290355 °	38.290472 °
				-121.644713 °	-121.643888 °
DWR ID	DWR_RD0999_02_s_2012_17				
Comment Code					
FE : Fence					
Inspector Comment					
Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit to keep fence.					

Photo 1 of 3 : SP\_2019\_RD0999\_233\_17\_20190307\_00014.jpg



View of landside slope looking northwest. Fall 2017

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP\_2019\_RD0999\_233\_17\_20190307\_00015.jpg



Looking west at fence along landside slope.

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP\_2019\_RD0999\_233\_17\_20190307\_00016.jpg



Looking northeast at fence along landside shoulder.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	0.03	Rating **	M	Issue No.	31
LM End	0.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290364 °	38.290364 °
				-121.644326 °	-121.644326 °
DWR ID	DWR_RD0999_02_s_2018_31				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	0.06	Rating **	M	Issue No.	21
LM End	0.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.290434 °	38.290434 °
				-121.643873 °	-121.643873 °
DWR ID	DWR_RD0999_02_f_2017_21				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0999\_233\_21\_20190307\_00019.jpg



View of landside slope looking north. Fall 2017

LM Start	0.18	Rating **	U	Issue No.	24
LM End	0.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290871 °	38.290871 °
				-121.641755 °	-121.641755 °
DWR ID	DWR_RD0999_02_f_2013_24				
Comment Code					
BU : Building					
Inspector Comment					
Abandoned building on landward toe and berm.					

Photo 1 of 1 : SP\_2019\_RD0999\_233\_24\_20190307\_00021.jpg



Looking west at abandoned building on landward berm.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	0.72	Rating **	M	Issue No.	18
LM End	0.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292740 °	38.292777 °
				-121.632517 °	-121.632240 °
DWR ID	DWR_RD0999_02_s_2019_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.79	Rating **	M	Issue No.	39
LM End	0.79	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.292562 °	38.292562 °
				-121.631331 °	-121.631331 °
DWR ID	22772				
Comment Code					
Inspector Comment					
FS_ID:15384 DS_ID:22772 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on both ends. Pumphouse has been removed. Needs to be abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation pipe through the levee, 4.5 feet below the crown. Abandoned pump house on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.78)]. FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_15384\_25242.jpg



Pipe visible at concrete pad on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	0.79	Rating **	M	Issue No.	39 (cont)	
LM End	0.79	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.292562 °		38.292562 °
				-121.631331 °		-121.631331 °
DWR ID	22772					
Comment Code						
Inspector Comment						
FS_ID:15384 DS_ID:22772 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on both ends. Pumphouse has been removed. Needs to be abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation pipe through the levee, 4.5 feet below the crown. Abandoned pump house on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.78)]. FS Date: 6/27/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_15384\_25241.jpg



Concrete pad on WS slope.

LM Start	<b>0.79</b>	Rating **	M	Issue No.	<b>39 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_15384\_25240.jpg



Damaged pipe on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	0.82	Rating **	M	Issue No.	14
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292439 °	38.292439 °
				-121.630781 °	-121.630781 °
DWR ID	DWR_RD0999_02_f_2012_14				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
LMA has not removed Century plant on landside slope.					

Photo 1 of 2 : SP\_2019\_RD0999\_233\_14\_20190307\_00012.jpg



Looking north at century plant at landward toe. Fall 2015.

LM Start	<b>0.82</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>0.82</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0999\_233\_14\_20190307\_00013.jpg



Looking north at century plant at landside toe.

LM Start	0.83	Rating **	M	Issue No.	19
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292386 °	38.292386 °
				-121.630543 °	-121.630543 °
DWR ID	DWR_RD0999_02_f_2012_19				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_RD0999\_233\_19\_20190307\_00017.jpg



View of landside slope looking north. Fall 2017

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	0.83	Rating **	M	Issue No.	19 (cont)	
LM End	0.83	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.292386 °		38.292386 °
				-121.630543 °		-121.630543 °
DWR ID	DWR_RD0999_02_f_2012_19					
Comment Code						
T2 : Thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						

Photo 2 of 2 : SP\_2019\_RD0999\_233\_19\_20190307\_00018.jpg



Looking north at untrimmed and trees to be thinned at landward toe fall 2015.

LM Start	0.84	Rating **	C	Issue No.	13
LM End	0.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.292352 °	38.292352 °
				-121.630452 °	-121.630452 °
DWR ID	DWR_RD0999_02_s_2012_13				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	0.85	Rating **	M	Issue No.	20
LM End	0.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292318 °	38.292318 °
				-121.630172 °	-121.630172 °
DWR ID	DWR_RD0999_02_s_2019_20				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	0.85	Rating **	C	Issue No.	22
LM End	0.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.292290 °	38.292290 °
				-121.630167 °	-121.630167 °
DWR ID	DWR_RD0999_02_f_2017_22				
Comment Code					
PR : Prunings					
Inspector Comment					
LMA plans to clear prunings.					

No Photos

LM Start	0.87	Rating **	C	Issue No.	23
LM End	0.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.292211 °	38.292211 °
				-121.629950 °	-121.629950 °
DWR ID	DWR_RD0999_02_f_2017_23				
Comment Code					
PR : Prunings					
Inspector Comment					
LMA plans to clear prunings.					

No Photos

LM Start	0.93	Rating **	A/W	Issue No.	2
LM End	1.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.291823 °	38.291250 °
				-121.628973 °	-121.627285 °
DWR ID	DWR_RD0999_02_s_2012_2				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
LMA backfilled holes and has an active baiting program.					

Photo 1 of 2 : SP\_2019\_RD0999\_233\_2\_20190307\_00001.jpg



View of backfilled rodent holes. Fall 2018

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	0.93	Rating **	M	Issue No.	40 (cont)	
LM End	0.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.291739 °	38.291739 °	
				-121.628873 °	-121.628873 °	
DWR ID	22773					
Comment Code						
Inspector Comment						
FS_ID:15385 DS_ID:22773 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee, 4.9 feet below the crown. Capped on both ends. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.93)]. FS Date: 6/27/2013						

LM Start	<b>0.93</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>0.93</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_15385\_25245.jpg



Pipe with welded steel plate over end visible on LS

Photo 3 of 3 : UCIP\_SP\_2019\_15385\_25244.jpg



Pipe with welded steel plate over end

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	0.97	Rating **	M	Issue No.	26
LM End	1.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.291512 °	38.291212 °
				-121.628248 °	-121.626993 °
DWR ID	DWR_RD0999_02_s_2019_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.02	Rating **	M	Issue No.	41	
LM End	1.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.291252 °		38.291252 °
				-121.627398 °		-121.627398 °
DWR ID	23961					
Comment Code						
Inspector Comment						
FS_ID:16331						
DS_ID:23961						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to determine permit for this crossing.						
FIELD_STRUCT_DESC: Gas line through the levee at an unknown depth. Markers on both shoulders.						
FS Date: 6/27/2013						

Photo 1 of 3 : UCIP\_SP\_2019\_16331\_27516.jpg



Gasline marker on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	1.02	Rating **	M	Issue No.	41 (cont)	
LM End	1.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.291252 °	38.291252 °	
				-121.627398 °	-121.627398 °	
DWR ID	23961					
Comment Code						
Inspector Comment						
FS_ID:16331 DS_ID:23961 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: Gas line through the levee at an unknown depth. Markers on both shoulders. FS Date: 6/27/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_16331\_27515.jpg



Gasline marker on LS toe.

LM Start	<b>1.02</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>1.02</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_16331\_27514.jpg



Gasline marker on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	1.08	Rating **	M	Issue No.	29
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.291132 °	38.291068 °
				-121.626338 °	-121.625878 °
DWR ID	DWR_RD0999_02_s_2019_29				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.16	Rating **	M	Issue No.	32
LM End	1.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.291090 °	38.291117 °
				-121.624908 °	-121.624815 °
DWR ID	DWR_RD0999_02_s_2019_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.24	Rating **	M	Issue No.	34
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.291370 °	38.291370 °
				-121.623467 °	-121.623467 °
DWR ID	DWR_RD0999_02_s_2019_34				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	1.25	Rating **	M	Issue No.	42
LM End	1.25	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291379 °	38.291379 °
				-121.623285 °	-121.623285 °
DWR ID	23962				
Comment Code					
Inspector Comment					
FS_ID:16333					
DS_ID:23962					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine permit for this crossing.					
FIELD_STRUCT_DESC: 16-inch coated steel drainage pipe through the levee, 3 feet below the crown. Pump in a pump house on the landside (LS) toe. Siphon breaker in a 24-inch steel riser on the waterside (WS). (Permit No. 17064, 1999 - Reclamation District No. 999).					
FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_16333\_27523.jpg



Siphon breaker on WS shoulder.

LM Start	1.25	Rating **	M	Issue No.	42 (cont)
LM End	1.25	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_16333\_27522.jpg



Pumphouse off LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	1.25	Rating **	M	Issue No.	42 (cont)
LM End	1.25	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291379 °	38.291379 °
				-121.623285 °	-121.623285 °
DWR ID	23962				
Comment Code					
Inspector Comment					
FS_ID:16333 DS_ID:23962 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: 16-inch coated steel drainage pipe through the levee, 3 feet below the crown. Pump in a pump house on the landside (LS) toe. Siphon breaker in a 24-inch steel riser on the waterside (WS). (Permit No. 17064, 1999 - Reclamation District No. 999). FS Date: 6/27/2013					

Photo 3 of 3 : UCIP\_SP\_2019\_16333\_27521.jpg



Trash rack on Pumphouse off LS toe.

LM Start	1.25	Rating **	M	Issue No.	43
LM End	1.25	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291381 °	38.291381 °
				-121.623268 °	-121.623268 °
DWR ID	23963				
Comment Code					
Inspector Comment					
FS_ID:16334					
DS_ID:23963					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine permit No. for this crossing.					
FIELD_STRUCT_DESC: 30-inch coated steel drainage pipe through the levee, 2.5 feet below the crown. Pump in a pump house on the landside (LS) toe. Siphon breaker in a 24-inch steel riser on the waterside (WS). (Permit No. 17064, 1999 - Reclamation District No. 999).					
FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_16334\_27527.jpg



Siphon breaker on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	1.25	Rating **	M	Issue No.	43 (cont)	
LM End	1.25	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.291381 °	38.291381 °	
				-121.623268 °	-121.623268 °	
DWR ID	23963					
Comment Code						
Inspector Comment						
FS_ID:16334						
DS_ID:23963						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to determine permit No. for this crossing.						
FIELD_STRUCT_DESC: 30-inch coated steel drainage pipe through the levee, 2.5 feet below the crown. Pump in a pump house on the landside (LS) toe. Siphon breaker in a 24-inch steel riser on the waterside (WS). (Permit No. 17064, 1999 - Reclamation District No. 999).						
FS Date: 6/27/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_16334\_27526.jpg



Pumphouse on LS toe.

LM Start	<b>1.25</b>	Rating **	M	Issue No.	<b>43 (cont)</b>
LM End	<b>1.25</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_16334\_27525.jpg



Pumphouse on LS toe with trash rack.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	1.40	Rating **	M	Issue No.	35
LM End	1.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.291197 °	38.290750 °
				-121.620428 °	-121.617348 °
DWR ID	DWR_RD0999_02_s_2019_35				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.59	Rating **	M	Issue No.	27
LM End	1.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290658 °	38.290376 °
				-121.617058 °	-121.615848 °
DWR ID	DWR_RD0999_02_f_2017_27				
Comment Code					
PI : Pipe					
Inspector Comment					
Landowner needs to move pipes to at least 10' away from levee toe.					

Photo 1 of 1 : SP\_2019\_RD0999\_233\_27\_20190307\_00022.jpg



View of equipment on landside slope looking north. Fall 2017

LM Start	1.63	Rating **	M	Issue No.	36
LM End	1.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.290492 °	38.290318 °
				-121.616295 °	-121.615690 °
DWR ID	DWR_RD0999_02_s_2019_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	1.67	Rating **	U	Issue No.	3
LM End	1.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290287 °	38.290217 °
				-121.615668 °	-121.615460 °
DWR ID	DWR_RD0999_02_s_2012_3				
Comment Code					
BU : Building					
Inspector Comment					
Old storage shed on landside toe and berm.					

Photo 1 of 2 : SP\_2019\_RD0999\_233\_3\_20190307\_00003.jpg



Looking north at building at landside toe.

LM Start	<b>1.67</b>	Rating **	U	Issue No.	<b>3 (cont)</b>
LM End	<b>1.68</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0999\_233\_3\_20190307\_00004.jpg



Looking northeast at building at landside toe.

LM Start	1.68	Rating **	U	Issue No.	28
LM End	1.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290260 °	38.290260 °
				-121.615473 °	-121.615473 °
DWR ID	DWR_RD0999_02_f_2013_28				
Comment Code					
BU : Building					
Inspector Comment					
Old pump house on landside toe.					

Photo 1 of 1 : SP\_2019\_RD0999\_233\_28\_20190307\_00023.jpg



Looking northeast at abandoned pump house on landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	1.69	Rating **	U	Issue No.	10
LM End	1.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290195 °	38.290195 °
				-121.615268 °	-121.615268 °
DWR ID	DWR_RD0999_02_s_2012_10				
Comment Code					
TA : Tank					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0999\_233\_10\_20190307\_00008.jpg



Looking north at a tank on the landside slope and toe.

LM Start	1.70	Rating **	U	Issue No.	11
LM End	1.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.290171 °	38.290171 °
				-121.615260 °	-121.615260 °
DWR ID	DWR_RD0999_02_s_2012_11				
Comment Code					
V6 : Landscaping					
Inspector Comment					

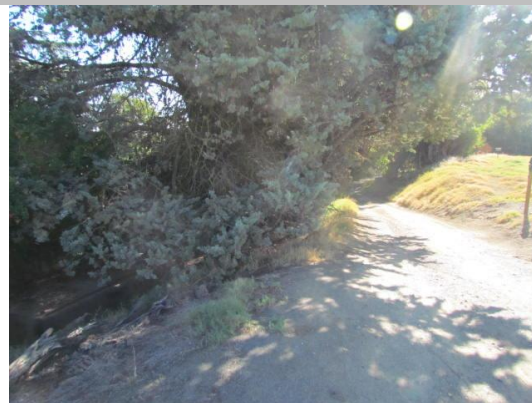
Photo 1 of 2 : SP\_2019\_RD0999\_233\_11\_20190307\_00009.jpg



Looking at dense trees on landward slope.

LM Start	<b>1.70</b>	Rating **	U	Issue No.	<b>11 (cont)</b>
LM End	<b>1.70</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0999\_233\_11\_20190307\_00010.jpg



Looking southwest at dense trees on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	1.72	Rating **	M	Issue No.	44
LM End	1.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.289967 °	38.289967 °
				-121.614873 °	-121.614873 °
DWR ID	22774				
Comment Code					
Inspector Comment					
FS_ID:15386 DS_ID:22774 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel drainage pipe through the levee, 8.3 feet below the crown. 6-foot by 11-foot corrugated metal pump house and gate valve on the waterside (WS) slope. 36-inch concrete standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 1.72)]. FS Date: 6/27/2013					

LM Start	1.72	Rating **	M	Issue No.	44 (cont)
LM End	1.72	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_15386\_25249.jpg



Pumphouse on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_15386\_25248.jpg



Pipe, pumphouse, and gate valve on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	1.72	Rating **	M	Issue No.	44 (cont)	
LM End	1.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.289967 °		38.289967 °
				-121.614873 °		-121.614873 °
DWR ID	22774					
Comment Code						
Inspector Comment						
FS_ID:15386 DS_ID:22774 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel drainage pipe through the levee, 8.3 feet below the crown. 6-foot by 11-foot corrugated metal pump house and gate valve on the waterside (WS) slope. 36-inch concrete standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 1.72)]. FS Date: 6/27/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_15386\_25247.jpg



Concrete standpipe on LS toe.

LM Start	1.73	Rating **	M	Issue No.	8
LM End	1.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289895 °	38.289595 °
				-121.614688 °	-121.614337 °
DWR ID	DWR_RD0999_02_s_2012_8				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 3 : SP\_2019\_RD0999\_233\_8\_20190307\_00005.jpg



Looking east at dense vegetation on landward shoulder and slope.  
(Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	1.73	Rating **	M	Issue No.	8 (cont)	
LM End	1.76	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			38.289895 °	38.289595 °	
				-121.614688 °	-121.614337 °	
DWR ID	DWR_RD0999_02_s_2012_8					
Comment Code						
V6 : Landscaping						
Inspector Comment						

Photo 2 of 3 : SP\_2019\_RD0999\_233\_8\_20190307\_00006.jpg



Looking west at dense vegetation on landward shoulder and slope.  
(Spring 2015)

LM Start	<b>1.73</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>1.76</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP\_2019\_RD0999\_233\_8\_20190307\_00007.jpg



Looking east at the vegetation on landside shoulder and slope. (Fall  
2014)

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	1.78	Rating **	M	Issue No.	45
LM End	1.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.289357 °	38.289357 °
				-121.614089 °	-121.614089 °
DWR ID	22775				
Comment Code					
Inspector Comment					
FS_ID:41069 DS_ID:22775 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 4 feet below the crown. Used during irrigation season with a portable pump. 7-foot by 7-foot concrete pump house sump on the waterside (WS) shoulder with pump mount. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 1.78)]. FS Date: 6/27/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_41069\_25251.jpg



7'X7' concrete pumphouse sump on WS shoulder.

LM Start	1.78	Rating **	M	Issue No.	45 (cont)
LM End	1.78	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_41069\_25250.jpg



Pump mount inside foundation at WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	1.81	Rating **	M	Issue No.	30
LM End	1.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289079 °	38.289079 °
				-121.613765 °	-121.613765 °
DWR ID	DWR_RD0999_02_f_2017_30				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bushes block visibility of levee toe.					

No Photos

LM Start	1.93	Rating **	M	Issue No.	16
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288713 °	38.288713 °
				-121.611620 °	-121.611620 °
DWR ID	DWR_RD0999_02_s_2012_16				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.97	Rating **	A/W	Issue No.	33
LM End	1.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.288712 °	38.288712 °
				-121.610920 °	-121.610920 °
DWR ID	DWR_RD0999_02_s_2017_33				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
No visible holes or activity were seen during the inspection.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	2.14	Rating **	M	Issue No.	37
LM End	2.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.288258 °	38.288258 °
				-121.607925 °	-121.607925 °
DWR ID	DWR_RD0999_02_s_2019_37				
Comment Code					
DE : Debris					
Inspector Comment					
Remove sofa debris on waterside slope.					

No Photos

LM Start	2.17	Rating **	A	Issue No.	38
LM End	2.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.287928 °	38.286575 °
				-121.607800 °	-121.606290 °
DWR ID	DWR_RD0999_02_s_2019_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Vegetation in this section is well-maintained.					

Photo 1 of 1 : SP\_2019\_RD0999\_233\_38\_20190327\_00048.jpg



View of well-maintained landside vegetation. Spring 2019

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	2.28	Rating **	M	Issue No.	46
LM End	2.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.286666 °	38.286666 °
				-121.606803 °	-121.606803 °
DWR ID	22770				
Comment Code					
Inspector Comment					
FS_ID:15703 DS_ID:22770 EP_NO: 3855 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not capped on LS and not found on WS. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 4 feet below the crown. Capped during winter months. 6-inch pipe sleeved through the 10-inch pipe during irrigation season. (Permit No. 3855, 1962 - K. Barsoom). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 2.31)]. FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_15703\_26125.jpg



Pipe visible just off shoulder on LS slope in the rose bushes.

LM Start	<b>2.28</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>2.28</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_15703\_26124.jpg



Pipe visible just off shoulder on LS slope in the rose bushes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/21/2019 03/21/2019	Luz Dial

LM Start	2.28	Rating **	M	Issue No.	46 (cont)	
LM End	2.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.286666 °	38.286666 °	
				-121.606803 °	-121.606803 °	
DWR ID	22770					
Comment Code						
Inspector Comment						
FS_ID:15703 DS_ID:22770 EP_NO: 3855 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not capped on LS and not found on WS. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 4 feet below the crown. Capped during winter months. 6-inch pipe sleeved through the 10-inch pipe during irrigation season. (Permit No. 3855, 1962 - K. Barsoom). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 2.31)]. FS Date: 6/27/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_15703\_26123.jpg



Pipe partially filled with soil and open on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2019 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

Waterway			Bank	Unit Miles
Unit No. 03 Sutter Slough			Right	3.74
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/21/2019 - 3/22/2019			
DWR Inspector	Luz Dial			
Accompanied By	Stephen F. Heringer RD999			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	0.01	Rating **	C	Issue No.	16
LM End	0.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.286678 °	38.286678 °
				-121.605971 °	-121.605971 °
DWR ID	DWR_RD0999_03_f_2017_16				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	0.04	Rating **	M	Issue No.	32
LM End	0.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.287040 °	38.287040 °
				-121.605667 °	-121.605667 °
DWR ID	DWR_RD0999_03_f_2017_32				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove large pruning pile on waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0999\_234\_32\_20190307\_00020.jpg



View of waterside slope looking east. Fall 2017

LM Start	0.06	Rating **	M	Issue No.	17
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.287290 °	38.287290 °
				-121.605472 °	-121.605472 °
DWR ID	DWR_RD0999_03_s_2017_17				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove Century plants that are not allowed on waterward slope.					

Photo 1 of 1 : SP\_2019\_RD0999\_234\_17\_20190307\_00012.jpg



Looking east at century plants on waterward slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	0.09	Rating **	M	Issue No.	23
LM End	0.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.287595 °	38.287595 °
				-121.605275 °	-121.605275 °
DWR ID	DWR_RD0999_03_s_2017_23				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove large pruning piles on waterward slope.					

Photo 1 of 1 : SP\_2019\_RD0999\_234\_23\_20190307\_00015.jpg



Looking east at large pruning piles on waterward slope.

LM Start	0.18	Rating **	M	Issue No.	39	
LM End	0.18	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.288813 °	38.288813 °	
				-121.604670 °	-121.604670 °	
DWR ID	22776					
Comment Code						
Inspector Comment						
FS_ID:15389						
DS_ID:22776						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe abandoned and should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee, 6.2 feet below the crown. Abandoned 4-foot by 7-foot concrete pump house and gate valve on the landside (LS) slope. Plate welded on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.17)].						
FS Date: 6/27/2013						

Photo 1 of 3 : UCIP\_SP\_2019\_15389\_25254.jpg



Pumphouse on LS slope covered in rose bush.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	0.18	Rating **	M	Issue No.	39 (cont)	
LM End	0.18	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.288813 °	38.288813 °	
				-121.604670 °	-121.604670 °	
DWR ID	22776					
Comment Code						
Inspector Comment						
FS_ID:15389 DS_ID:22776 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee, 6.2 feet below the crown. Abandoned 4-foot by 7-foot concrete pump house and gate valve on the landside (LS) slope. Plate welded on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.17)]. FS Date: 6/27/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_15389\_25253.jpg



Pipe visible on LS slope.

LM Start	<b>0.18</b>	Rating **	M	Issue No.	<b>39 (cont)</b>
LM End	<b>0.18</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_15389\_25252.jpg



Steel plate on WS end of pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	0.22	Rating **	A/W	Issue No.	7
LM End	0.22	Issue Type +	Ob	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.289394 °	38.289394 °
				-121.604538 °	-121.604538 °
DWR ID	DWR_RD0999_03_f_2017_7				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:114					
Site Designation:305-01					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes: Spring 2019 DWR Inspection: No evidence of seepage at site.					

LM Start	<b>0.22</b>	Rating **	A/W	Issue No.	<b>7 (cont)</b>
LM End	<b>0.22</b>	Issue Type +	Ob	Location *	LS

Photo 1 of 2 : SP\_2019\_RD0999\_234\_7\_20190307\_00001.jpg



View of waterside slope with some revetment at the water's edge. Fall 2018

Photo 2 of 2 : SP\_2019\_RD0999\_234\_7\_20190307\_00002.jpg



View of waterside slope with some revetment. Fall 2018

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	0.24	Rating **	U	Issue No.	5
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.289634 °	38.295505 °
				-121.604343 °	-121.605648 °
DWR ID	DWR_RD0999_03_s_2019_5				
Comment Code					
Inspector Comment					
2017 Site ID: STR 24.7 R					
Status: Critical					
2017 Field Notes: Locals have placed rock in worst sections. Fresh erosion at toe. New tall vertical sections observed.					
Site History: 1997 - Intermittent over-steepened sections. Large riparian vegetation along the length of the entire reach. Attempts to repair with rock on bank have failed. 1999 - New rock repair at the downstream end. 2002 - Some minor spot repairs. 2009 - Minimal new erosion. 2010 - Appears that fresh rock placed on downstream portion of site. Toe scour and overhanging trees with some overturned. 2012 - Minor new erosion at the toe. 2013 - Site upgraded to CRITICAL. Severe slumping into levee at downstream end of site. Fresh erosion into bank toe. 2015 - New slumping, tall vertical sections. 2016 - Upper slumped section continues to worsen. Spring 2019 DWR Inspection: Sparse riprap remains intact.					

No Photos

LM Start	0.37	Rating **	M	Issue No.	13
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.291513 °	38.291858 °
				-121.604745 °	-121.604810 °
DWR ID	DWR_RD0999_03_s_2019_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	0.44	Rating **	M	Issue No.	14
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292512 °	38.295555 °
				-121.604967 °	-121.605945 °
DWR ID	DWR_RD0999_03_s_2019_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.66	Rating **	U	Issue No.	8
LM End	0.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295618 °	38.295618 °
				-121.605923 °	-121.605923 °
DWR ID	DWR_RD0999_03_s_2012_8				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
I recommend requesting permission from U.S. Fish and Wildlife to thin out brush.					

No Photos

LM Start	0.67	Rating **	M	Issue No.	18
LM End	0.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295778 °	38.296782 °
				-121.605932 °	-121.605637 °
DWR ID	DWR_RD0999_03_s_2019_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	0.76	Rating **	M	Issue No.	19
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.297013 °	38.297242 °
				-121.605493 °	-121.605377 °
DWR ID	DWR_RD0999_03_s_2019_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.80	Rating **	U	Issue No.	20
LM End	0.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.297550 °	38.297550 °
				-121.605207 °	-121.605207 °
DWR ID	DWR_RD0999_03_s_2019_20				
Comment Code					
BU : Building					
Inspector Comment					
Shed and tank need to be moved at least 10' away from levee toe.					

Photo 1 of 1 : SP\_2019\_RD0999\_234\_20\_20190327\_00033.jpg



View looking west at shed and tank on landside levee easement. Spring 2019

LM Start	0.92	Rating **	M	Issue No.	21
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.298990 °	38.299523 °
				-121.603927 °	-121.603155 °
DWR ID	DWR_RD0999_03_s_2019_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	0.97	Rating **	M	Issue No.	6
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.299402 °	38.300542 °
				-121.603056 °	-121.601118 °
DWR ID	DWR_RD0999_03_s_2019_6				
Comment Code					
Inspector Comment					
2017 Site ID: STR 25.2 R					
Status: Eroding					
2017 Field Notes: Minor new erosion at toe.					
Site History: 2008 - Over steepened levee section. 2009 - Significant new erosion. 2010 - Minor new erosion.					

No Photos

LM Start	1.08	Rating **	M	Issue No.	24
LM End	1.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.300458 °	38.300610 °
				-121.601720 °	-121.601533 °
DWR ID	DWR_RD0999_03_s_2019_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.43	Rating **	M	Issue No.	10
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.305229 °	38.306667 °
				-121.599933 °	-121.598266 °
DWR ID	DWR_RD0999_03_s_2019_10				
Comment Code					
Inspector Comment					
2017 Site ID: STR 25.7 R					
Status: Eroding					
2017 Field Notes: Large erosion scarp near downstream end.					
Site History: 2011 - Toe scour along length of site and erosion pockets.					
2012 - Site extended slightly upstream due to new erosion pocket.					
2013 - Tall vertical sections at upstream end of site.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	<b>1.52</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>1.53</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.306245 °	38.306328 °
				-121.599227 °	-121.599143 °
DWR ID	DWR_RD0999_03_s _ 2019_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.59</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>1.60</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.306960 °	38.307122 °
				-121.598340 °	-121.598173 °
DWR ID	DWR_RD0999_03_s _ 2019_28				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.61</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>1.61</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.307288 °	38.307288 °
				-121.598100 °	-121.598100 °
DWR ID	DWR_RD0999_03_s _ 2019_29				
Comment Code					
DE : Debris					
Inspector Comment					
Remove trash and pruning debris at turnout.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	1.71	Rating **	M	Issue No.	40 (cont)	
LM End	1.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.308513 °	38.308513 °	
				-121.598874 °	-121.598874 °	
DWR ID	22779					
Comment Code						
Inspector Comment						
FS_ID:15392 DS_ID:22779 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be verified as being done so properly. FIELD_STRUCT_DESC: *ABANDONED* 5-inch steel irrigation pipe through the levee, 4.4 feet below the crown. Pump and valve in pump house on the waterside (WS) slope. Could not see the landside (LS) end of the pipe, February 1991. 1-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 1.71)]. FS Date: 6/27/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_15392\_25259.jpg



gatevalve inside pumphouse with no connection.

LM Start	2.00	Rating **	M	Issue No.	41
LM End	2.00	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.311709 °	38.311709 °
				-121.596713 °	-121.596713 °
DWR ID	22780				
Comment Code					
Inspector Comment					
FS_ID:15393					
DS_ID:22780					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 7-inch steel irrigation pipe through the levee,					
4.6 feet below the crown. Pump and gate valve on the waterside (WS)					
slope. Service pole on the landside (LS) slope. 1-inch galvanized iron					
electrical conduit at the same location. [Additional Reference(s): DWR					
Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised),					
October 1966, (HLM 2.01)].					
FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_15393\_25264.jpg



Pipe visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	2.00	Rating **	M	Issue No.	41 (cont)	
LM End	2.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.311709 °	38.311709 °	
				-121.596713 °	-121.596713 °	
DWR ID	22780					
Comment Code						
Inspector Comment						
FS_ID:15393 DS_ID:22780 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 7-inch steel irrigation pipe through the levee, 4.6 feet below the crown. Pump and gate valve on the waterside (WS) slope. Service pole on the landside (LS) slope. 1-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 2.01)]. FS Date: 6/27/2013						

LM Start	<b>2.00</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>2.00</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_15393\_25263.jpg



Gate valve on WS slope at pump.

Photo 3 of 3 : UCIP\_SP\_2019\_15393\_25262.jpg



Galvanized iron pipe on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	2.31	Rating **	M	Issue No.	30
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.314893 °	38.315505 °
				-121.592705 °	-121.592490 °
DWR ID	DWR_RD0999_03_s_2019_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.38	Rating **	M	Issue No.	31
LM End	2.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.315872 °	38.316295 °
				-121.592310 °	-121.592072 °
DWR ID	DWR_RD0999_03_s_2019_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.43	Rating **	M	Issue No.	33
LM End	2.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.316517 °	38.316970 °
				-121.591920 °	-121.591588 °
DWR ID	DWR_RD0999_03_s_2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	2.51	Rating **	M	Issue No.	34
LM End	2.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.317493 °	38.317757 °
				-121.591158 °	-121.590940 °
DWR ID	DWR_RD0999_03_s_2019_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.54	Rating **	U	Issue No.	27
LM End	2.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.317840 °	38.317840 °
				-121.590895 °	-121.590895 °
DWR ID	DWR_RD0999_03_s_2012_27				
Comment Code					
EQ : Equipment					
Inspector Comment					
Diesel tank and farming equipment need to be moved at least 10' away from the levee toe.					

Photo 1 of 3 : SP\_2019\_RD0999\_234\_27\_20190307\_00017.jpg



Looking northwest at diesel tank and other farm equipment stored at landward toe. (Spring 2016)

LM Start	<b>2.54</b>	Rating **	U	Issue No.	<b>27 (cont)</b>
LM End	<b>2.54</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP\_2019\_RD0999\_234\_27\_20190307\_00018.jpg



Looking southwest at farm equipment stored at landside toe. (Fall Inspection 2012)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	2.54	Rating **	U	Issue No.	27 (cont)	
LM End	2.54	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.317840 °	38.317840 °	
				-121.590895 °	-121.590895 °	
DWR ID	DWR_RD0999_03_s_2012_27					
Comment Code						
EQ : Equipment						
Inspector Comment						
Diesel tank and farming equipment need to be moved at least 10' away from the levee toe.						

Photo 3 of 3 : SP\_2019\_RD0999\_234\_27\_20190307\_00019.jpg



Looking northwest at equipment at landside toe.

LM Start	2.56	Rating **	M	Issue No.	26
LM End	2.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318073 °	38.318073 °
				-121.590818 °	-121.590818 °
DWR ID	DWR_RD0999_03_s_2018_26				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Instruct landowner to remove cactus at landside toe.					

Photo 1 of 1 : SP\_2019\_RD0999\_234\_26\_20190307\_00016.jpg



Vegetation on landside toe looking west.

LM Start	2.70	Rating **	M	Issue No.	38
LM End	2.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.320072 °	38.320072 °
				-121.590749 °	-121.590749 °
DWR ID	DWR_RD0999_03_s_2018_38				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	2.88	Rating **	M	Issue No.	42
LM End	2.88	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.322652 °	38.322652 °
				-121.590841 °	-121.590841 °
DWR ID	22782				
Comment Code					
Inspector Comment					
FS_ID:15406 DS_ID:22782 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe is abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 16-inch steel drainage pipe through the levee, 9.3 feet below the crown. Pump and gate valve in pump house on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 2.91)]. FS Date: 6/27/2013					

LM Start	<b>2.88</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>2.88</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_15406\_25285.jpg



Pumphouse on LS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_15406\_25284.jpg



Pump and gatevalve inside pumphouse at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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# Reclamation District No. 0999 Netherlands

Pipe entering levee at LS toe.

No Photos

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	3.09	Rating **	A/W	Issue No.	9 (cont)	
LM End	3.12	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.323986 °	38.324275 °	
				-121.587403 °	-121.586967 °	
DWR ID	DWR_RD0999_03_f_2017_9					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:The damage consists of erosion of the lower waterside levee slope and bank approximately 147 feet in length along the west (right) bank of Sutter Slough. See attached pages for photos. Site location T06N R03E Section 36 and 25.						
Site ID No:355						
Site Designation:LMA-182						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/27/2017						
Notes: Fall 2018 DWR Inspector: Observed erosion into the bank and fallen tree. End LM not given on report.						

Photo 3 of 5 : LEVAL\_SP\_2019\_355\_2523.jpg



Photo 4 of 5 : LEVAL\_SP\_2019\_355\_2525.jpg



LM Start	<b>3.09</b>	Rating **	A/W	Issue No.	<b>9 (cont)</b>
LM End	<b>3.12</b>	Issue Type +	Ma	Location *	WS

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	3.09	Rating **	A/W	Issue No.	9 (cont)	
LM End	3.12	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.323986 °	38.324275 °	
				-121.587403 °	-121.586967 °	
DWR ID	DWR_RD0999_03_f_2017_9					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:The damage consists of erosion of the lower waterside levee slope and bank approximately 147 feet in length along the west (right) bank of Sutter Slough. See attached pages for photos. Site location T06N R03E Section 36 and 25.						
Site ID No:355						
Site Designation:LMA-182						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/27/2017						
Notes: Fall 2018 DWR Inspector: Observed erosion into the bank and fallen tree. End LM not given on report.						

Photo 5 of 5 : LEVAL\_SP\_2019\_355\_2529.jpg



LM Start	3.18	Rating **	A/W	Issue No.	15
LM End	3.21	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.325053 °	38.325489 °
				-121.586347 °	-121.586100 °
DWR ID	DWR_RD0999_03_f_2017_15				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:The damage consists of erosion of the lower waterside levee slope and bank approximately 172 feet in length along the west (right) bank of Sutter Slough. See attached pages for photos. Site location T06N R04E Section 3 and 4.					
Site ID No:356					
Site Designation:LMA-183					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/27/2017					
Notes: 2018 DWR Inspector: Erosion not visible from levee slope.					

Photo 1 of 3 : LEVAL\_SP\_2019\_356\_2492.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0999 Netherlands

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/21/2019 03/22/2019	Luz Dial

LM Start	3.69	Rating **	M	Issue No.	22
LM End	3.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.331969 °	38.332156 °
				-121.584860 °	-121.584707 °
DWR ID	DWR_RD0999_03_s_2012_22				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0999\_234\_22\_20190307\_00013.jpg



Looking southwest at trimmed landscaping on landside slope that still blocks levee slope.

LM Start	4.56	Rating **	M	Issue No.	11
LM End	4.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.313836 °	38.315407 °
				-121.592259 °	-121.591433 °
DWR ID	DWR_RD0999_03_s_2019_11				
Comment Code					
Inspector Comment					
2017 Site ID: STR 26.5 L					
Status: Eroding					
2017 Field Notes: There appears soil under geotech fabric that appears to be failing but hard to tell.					
Site History: 2002 - Original rock over geotextile is sliding off and the end is coming unraveled. 2003 - Some minor new erosion on the downstream end. 2004 - Site has gotten worse. Underlined geofabric is exposed. 2005 - Still looks bad with exposed geotextile fabric. 2006 - Still have some new unraveling and exposed fabric. Site lengthened upstream. 2009 - Minimal new erosion. 2010 - geotextile fabric placed since last year, possible flood fight. 2012 - Exposed geotech style fabric, assume rock on top slid off. 2015 - Erosion pockets covered with plastic. 2019 DWR Spring Inspection: This issue is on the wrong Unit.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2019 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

Waterway			Bank	Unit Miles
Unit No. 04 Sacramento River			Right	1.22
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/22/2019 - 3/22/2019			
DWR Inspector	Luz Dial			
Accompanied By	Stephen F. Heringer RD999			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.00	Rating **	A/W	Issue No.	54
LM End	0.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.414022 °	38.414022 °
				-121.522986 °	-121.522986 °
DWR ID	22788				
Comment Code					
Inspector Comment					
FS_ID:15708 DS_ID:22788 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Elk Slough Inlet Structure] 60-inch by 60-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in a 6-foot by 8-foot concrete vault on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.00)]. FS Date: 7/12/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_15708\_26137.jpg



Slide gate in concrete vault on WS shoulder.

LM Start	<b>0.00</b>	Rating **	A/W	Issue No.	<b>54 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_15708\_26136.jpg



Toe of LS at approximate location of outlet/inlet.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.02	Rating **	U	Issue No.	23
LM End	0.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.414387 °	38.417692 °
				-121.522871 °	-121.525083 °
DWR ID	DWR_RD0999_04_s_2019_23				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 41.9 R					
Status: Critical					
2017 Field Notes: Fresh erosion on entire bank. Upgraded to critical.					
Site History: 1997 - Structural problem rather than erosional, failed cobble at downstream end. 2005 - New brush boxes at waterline for several hundred feet downstream, No toe or bank protection present.					
2006 - Some minor new erosion. Brush boxes not working well; most of the brush has floated out. 2007 - Brush boxes have recently been repaired. 2016 - Minor new slumping. Spring 2019 DWR Inspection: Erosion was not visible during this inspection.					

Photo 1 of 1 : SP\_2019\_RD0999\_235\_23\_20190408\_00070.jpg



USACE 2013 Photo #1

LM Start	0.04	Rating **	U	Issue No.	53
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.414533 °	38.414750 °
				-121.523394 °	-121.523543 °
DWR ID	DWR_RD0999_04_f_2017_53				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove wild growth vegetation on waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0999\_235\_53\_20190307\_00026.jpg



Looking southeast at the waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.05	Rating **	M	Issue No.	13
LM End	0.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.414617 °	38.415467 °
				-121.523499 °	-121.524022 °
DWR ID	DWR_RD0999_04_s_2012_13				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0999\_235\_13\_20190307\_00006.jpg



Cyclone fence along landside shoulder at LM 0.05 -0.11

LM Start	0.07	Rating **	M	Issue No.	55
LM End	0.07	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.414881 °	38.414881 °
				-121.523682 °	-121.523682 °
DWR ID	22789				
Comment Code					
Inspector Comment					
FS_ID:15709 DS_ID:22789 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2-inch steel pipe of unknown purpose through the levee, 4.5 feet below the crown. Concrete blocks for missing pump and pressure system visible on the waterside (WS) slope. 8-inch steel standpipe on the WS toe with remnants of the 2-inch pipe visible at the top. Pipe visible at concrete foundation on the landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.02)]. FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_15709\_26140.jpg



Pipe visible at concrete foundation on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.07	Rating **	M	Issue No.	55 (cont)	
LM End	0.07	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.414881 °		38.414881 °
				-121.523682 °		-121.523682 °
DWR ID	22789					
Comment Code						
Inspector Comment						
FS_ID:15709 DS_ID:22789 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2-inch steel pipe of unknown purpose through the levee, 4.5 feet below the crown. Concrete blocks for missing pump and pressure system visible on the waterside (WS) slope. 8-inch steel standpipe on the WS toe with remnants of the 2-inch pipe visible at the top. Pipe visible at concrete foundation on the landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.02)]. FS Date: 7/12/2013						

LM Start	<b>0.07</b>	Rating **	M	Issue No.	<b>55 (cont)</b>
LM End	<b>0.07</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_15709\_26139.jpg



Pipe visible at concrete foundation on LS shoulder.

Photo 3 of 3 : UCIP\_SP\_2019\_15709\_26138.jpg



Pipe visible at top of steel standpipe. Foundation for pump station visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.10	Rating **	A/W	Issue No.	42
LM End	0.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.415319 °	38.417744 °
				-121.523717 °	-121.525344 °
DWR ID	DWR_RD0999_04_f_2017_42				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:The damage consists of erosion of the lower and mid waterside levee slope approximately 997 feet in length along the west (right) bank of the Sacramento River. See attached pages for photos. Site location T06N R04E Section 3 and 4.					
Site ID No:357					
Site Designation:LMA-184					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/27/2017					
Notes: on bank slope, big trees with exposed tree roots observed 2018 DWR Inspector: Fallen tree on water's edge. Erosion not visible from slope.					

Photo 1 of 4 : SP\_2019\_RD0999\_235\_42\_20190307\_00016.jpg



View of fallen tree. Fall 2018

LM Start	<b>0.10</b>	Rating **	A/W	Issue No.	<b>42 (cont)</b>
LM End	<b>0.29</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : LEVAL\_SP\_2019\_357\_2461.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.10	Rating **	A/W	Issue No.	42 (cont)
LM End	0.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.415319 °	38.417744 °
				-121.523717 °	-121.525344 °
DWR ID	DWR_RD0999_04_f_2017_42				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:The damage consists of erosion of the lower and mid waterside levee slope approximately 997 feet in length along the west (right) bank of the Sacramento River. See attached pages for photos. Site location T06N R04E Section 3 and 4.					
Site ID No:357					
Site Designation:LMA-184					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/27/2017					
Notes: on bank slope, big trees with exposed tree roots observed 2018 DWR Inspector: Fallen tree on water's edge. Erosion not visible from slope.					

Photo 3 of 4 : LEVAL\_SP\_2019\_357\_2465.jpg



Photo 4 of 4 : LEVAL\_SP\_2019\_357\_2475.jpg



LM Start	<b>0.10</b>	Rating **	A/W	Issue No.	<b>42 (cont)</b>
LM End	<b>0.29</b>	Issue Type +	Ma	Location *	WS

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.11	Rating **	A/W	Issue No.	15
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.415425 °	38.416733 °
				-121.523920 °	-121.524705 °
DWR ID	DWR_RD0999_04_s_2017_15				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Waterside erosion 2ft vertical cut was not visible during this inspection.					

Photo 1 of 2 : SP\_2019\_RD0999\_235\_15\_20190307\_00007.jpg



Looking downstream at 2ft plus vertical erosion on waterward slope.

LM Start	<b>0.11</b>	Rating **	A/W	Issue No.	<b>15 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0999\_235\_15\_20190307\_00008.jpg



Looking upstream at 2ft plus vertical erosion on waterward slope.

LM Start	0.16	Rating **	U	Issue No.	38
LM End	0.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.416090 °	38.416167 °
				-121.524343 °	-121.524391 °
DWR ID	DWR_RD0999_04_f_2015_38				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Instruct landowner to trim and thin dense landscaping on landside slope and toe.					

Photo 1 of 2 : SP\_2019\_RD0999\_235\_38\_20190307\_00014.jpg



Looking northwest at dense landscaping on landward slope and toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.16	Rating **	U	Issue No.	38 (cont)	
LM End	0.17	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.416090 °		38.416167 °
				-121.524343 °		-121.524391 °
DWR ID	DWR_RD0999_04_f_2015_38					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Instruct landowner to trim and thin dense landscaping on landside slope and toe.						

Photo 2 of 2 : SP\_2019\_RD0999\_235\_38\_20190307\_00015.jpg



Looking southwest at dense landscaping on landward slope and toe.

LM Start	0.20	Rating **	M	Issue No.	24
LM End	0.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.416653 °	38.417070 °
				-121.524656 °	-121.525006 °
DWR ID	DWR_RD0999_04_s_2012_24				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.29	Rating **	U	Issue No.	36
LM End	0.29	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.417809 °	38.417809 °
				-121.525488 °	-121.525488 °
DWR ID	DWR_RD0999_04_f_2014_36				
Comment Code					
BU : Building					
Inspector Comment					
Land owner built patio structure next to mobile diner on waterside shoulder area without Board permit.					

Photo 1 of 3 : SP\_2019\_RD0999\_235\_36\_20190307\_00011.jpg



Looking northeast at patio on waterward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.29	Rating **	U	Issue No.	36 (cont)	
LM End	0.29	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.417809 °		38.417809 °
				-121.525488 °		-121.525488 °
DWR ID	DWR_RD0999_04_f_2014_36					
Comment Code						
BU : Building						
Inspector Comment						
Land owner built patio structure next to mobile diner on waterside shoulder area without Board permit.						

Photo 2 of 3 : SP\_2019\_RD0999\_235\_36\_20190307\_00012.jpg



Looking north at patio structure on waterward shoulder.

LM Start	<b>0.29</b>	Rating **	U	Issue No.	<b>36 (cont)</b>
LM End	<b>0.29</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : SP\_2019\_RD0999\_235\_36\_20190307\_00013.jpg



Looking northeast at patio structure on waterward shoulder.

LM Start	0.31	Rating **	U	Issue No.	12
LM End	0.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.417962 °	38.418449 °
				-121.525709 °	-121.526015 °
DWR ID	DWR_RD0999_04_s_2012_12				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_RD0999\_235\_12\_20190307\_00004.jpg



Looking west at dense vegetation on landside slope and toe.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.31	Rating **	U	Issue No.	12 (cont)	
LM End	0.35	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.417962 °		38.418449 °
				-121.525709 °		-121.526015 °
DWR ID	DWR_RD0999_04_s_2012_12					
Comment Code						
V6 : Landscaping						
Inspector Comment						

Photo 2 of 2 : SP\_2019\_RD0999\_235\_12\_20190307\_00005.jpg



Looking northwest at dense vegetation on landside shoulder and slope.

LM Start	0.36	Rating **	M	Issue No.	1
LM End	0.47	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.418593 °	38.420004 °
				-121.526024 °	-121.526962 °
DWR ID	DWR_RD0999_04_s_2012_1				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping belongs to Marina, according to LMA, and Permit 3083 does not include plantings.					

Photo 1 of 1 : SP\_2019\_RD0999\_235\_1\_20190307\_00001.jpg



Looking north at rose bushes on waterside slope.

LM Start	0.38	Rating **	U	Issue No.	11
LM End	0.50	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.418871 °	38.420451 °
				-121.526257 °	-121.527386 °
DWR ID	DWR_RD0999_04_s_2012_11				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_RD0999\_235\_11\_20190307\_00002.jpg



Looking northwest at dense landscaping on landward slope. (Spring 2015)

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.38	Rating **	U	Issue No.	11 (cont)	
LM End	0.50	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.418871 °		38.420451 °
				-121.526257 °		-121.527386 °
DWR ID	DWR_RD0999_04_s_2012_11					
Comment Code						
V6 : Landscaping						
Inspector Comment						

Photo 2 of 2 : SP\_2019\_RD0999\_235\_11\_20190307\_00003.jpg



Looking west at century plants on landside shoulder and slope.

LM Start	0.43	Rating **	C	Issue No.	51
LM End	0.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.419572 °	38.419613 °
				-121.526715 °	-121.526778 °
DWR ID	DWR_RD0999_04_f_2017_51				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	0.53	Rating **	C	Issue No.	37
LM End	0.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.420791 °	38.421219 °
				-121.527553 °	-121.527913 °
DWR ID	DWR_RD0999_04_s_2015_37				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.60	Rating **	C	Issue No.	19
LM End	0.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.421647 °	38.421997 °
				-121.528235 °	-121.528470 °
DWR ID	DWR_RD0999_04_s_2012_19				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.65	Rating **	C	Issue No.	35
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.422337 °	38.422337 °
				-121.528690 °	-121.528690 °
DWR ID	DWR_RD0999_04_s_2018_35				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.71	Rating **	M	Issue No.	56	
LM End	0.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.423062 °	38.423062 °	
				-121.529241 °	-121.529241 °	
DWR ID	22791					
Comment Code						
Inspector Comment						
FS_ID:15712						
DS_ID:22791						
EP_NO: 3973						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Slide gate broken on LS toe. Appears it may be abandoned.						
FIELD_STRUCT_DESC: 18-inch steel drainage pipe through the levee, 4.7 feet below the crown. Air vent in an 18-inch steel standpipe on the waterside (WS) shoulder. Gate valve on the landside (LS) toe. (Permit No. 3973, 1962 - American Crystal Sugar Company). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.71)].						
FS Date: 7/12/2013						

Photo 1 of 3 : UCIP\_SP\_2019\_15712\_26150.jpg



Air vent in standpipe on WS shoulder.

LM Start	<b>0.71</b>	Rating **	M	Issue No.	<b>56 (cont)</b>
LM End	<b>0.71</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_15712\_26149.jpg



Electrical panel, water meter, and gate valve on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.71	Rating **	M	Issue No.	56 (cont)
LM End	0.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423062 °	38.423062 °
				-121.529241 °	-121.529241 °
DWR ID	22791				
Comment Code					
Inspector Comment					
FS_ID:15712					
DS_ID:22791					
EP_NO: 3973					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate broken on LS toe. Appears it may be abandoned.					
FIELD_STRUCT_DESC: 18-inch steel drainage pipe through the levee, 4.7 feet below the crown. Air vent in an 18-inch steel standpipe on the waterside (WS) shoulder. Gate valve on the landside (LS) toe. (Permit No. 3973, 1962 - American Crystal Sugar Company). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.71)].					
FS Date: 7/12/2013					

Photo 3 of 3 : UCIP\_SP\_2019\_15712\_26148.jpg



Gate valve on LS toe.

LM Start	0.74	Rating **	M	Issue No.	57
LM End	0.74	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423418 °	38.423418 °
				-121.529486 °	-121.529486 °
DWR ID	22796				
Comment Code					
Inspector Comment					
FS_ID:15725 DS_ID:22796 EP_NO: 10514 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 1 of 3: 3.5-inch discharge pipe of an unknown material through the levee, 3.8 feet below the crown. Siphon breaker at headwall on the waterside (WS) slope. (Permit No. 10514, 1975 - The Newhall Land and Farming Company). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_15725\_26181.jpg



Discharge pipe at concrete pad then down slope to water.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.74	Rating **	M	Issue No.	57 (cont)	
LM End	0.74	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.423418 °		38.423418 °
				-121.529486 °		-121.529486 °
DWR ID	22796					
Comment Code						
Inspector Comment						
FS_ID:15725 DS_ID:22796 EP_NO: 10514 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 1 of 3: 3.5-inch discharge pipe of an unknown material through the levee, 3.8 feet below the crown. Siphon breaker at headwall on the waterside (WS) slope. (Permit No. 10514, 1975 - The Newhall Land and Farming Company). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 7/12/2013						

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>57 (cont)</b>
LM End	<b>0.74</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_15725\_26180.jpg



Siphon breaker at headwall on WS.

Photo 3 of 3 : UCIP\_SP\_2019\_15725\_26179.jpg



Pipe with gate valve off LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.74	Rating **	M	Issue No.	58
LM End	0.74	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423429 °	38.423429 °
				-121.529491 °	-121.529491 °
DWR ID	22794				
Comment Code					
Inspector Comment					
FS_ID:41556					
DS_ID:22794					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Good candidate for video inspection.					
FIELD_STRUCT_DESC: 10-inch steel conduit of an unknown purpose through the levee, 3.8 feet below the crown. 4.5-inch galvanized iron pipe sleeved through the 10-inch conduit with annular space grouted.					
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.73)].					
FS Date: 7/12/2013					

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>58 (cont)</b>
LM End	<b>0.74</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_41556\_26160.jpg



Pump on pier for 4.5-inch pipe sleeved through 10-inch.

Photo 2 of 3 : UCIP\_SP\_2019\_41556\_26159.jpg



4.5-inch pipe at headwall on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.74	Rating **	M	Issue No.	58 (cont)	
LM End	0.74	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.423429 °	38.423429 °	
				-121.529491 °	-121.529491 °	
DWR ID	22794					
Comment Code						
Inspector Comment						
FS_ID:41556						
DS_ID:22794						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Good candidate for video inspection.						
FIELD_STRUCT_DESC: 10-inch steel conduit of an unknown purpose						
through the levee, 3.8 feet below the crown. 4.5-inch galvanized iron						
pipe sleeved through the 10-inch conduit with annular space grouted.						
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento						
O&M Manual 113 (Revised), October 1966, (HLM 0.73)].						
FS Date: 7/12/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_41556\_26158.jpg



4.5-inch pipe at headwall on WS slope.

LM Start	0.74	Rating **	M	Issue No.	59
LM End	0.74	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423418 °	38.423418 °
				-121.529486 °	-121.529486 °
DWR ID	22795				
Comment Code					
Inspector Comment					
FS_ID:41535 DS_ID:22795 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipes appear abandoned and should be checked usage or abandoned properly. FIELD_STRUCT_DESC: 3.5-inch galvanized iron electrical conduit through the levee, 3.8 feet below the crown. Concrete headwall and pad on the waterside (WS) slope. Pipe open on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (revision), October 1966, (HLM 0.73), listed as two 10-inch pipes]. FS Date: 7/12/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_41535\_26167.jpg



Electrical conduit shown at bottom of picture (pipe with 90-degree bend).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.74	Rating **	M	Issue No.	59 (cont)
LM End	0.74	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423418 °	38.423418 °
				-121.529486 °	-121.529486 °
DWR ID	22795				
Comment Code					
Inspector Comment					
FS_ID:41535 DS_ID:22795 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipes appear abandoned and should be checked usage or abandoned properly. FIELD_STRUCT_DESC: 3.5-inch galvanized iron electrical conduit through the levee, 3.8 feet below the crown. Concrete headwall and pad on the waterside (WS) slope. Pipe open on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (revision), October 1966, (HLM 0.73), listed as two 10-inch pipes]. FS Date: 7/12/2013					

Photo 2 of 2 : UCIP\_SP\_2019\_41535\_26166.jpg



3.5-inch electrical conduit shown at left of 10-inch pipe.

LM Start	0.74	Rating **	M	Issue No.	60
LM End	0.74	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423429 °	38.423429 °
				-121.529491 °	-121.529491 °
DWR ID	22811				
Comment Code					
Inspector Comment					
FS_ID:41070 DS_ID:22811 EP_NO: 10514 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine disposition of pipe and if abandoned, it should be done so properly. FIELD_STRUCT_DESC: 2 of 3: 4.5-inch galvanized iron irrigation pipe through the levee, 3 feet below the crown. Slant pump, steel walkway, and steel vent pipe on the waterside (WS) slope. Shutoff valve off the landside (LS) toe. (Permit No. 10514, 1975 - The Newhall Land and Farming Company). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_41070\_26174.jpg



Pipe and slant pump on WS at concrete pad.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.74	Rating **	M	Issue No.	60 (cont)	
LM End	0.74	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.423429 °	38.423429 °	
				-121.529491 °	-121.529491 °	
DWR ID	22811					
Comment Code						
Inspector Comment						
FS_ID:41070 DS_ID:22811 EP_NO: 10514 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine disposition of pipe and if abandoned, it should be done so properly. FIELD_STRUCT_DESC: 2 of 3: 4.5-inch galvanized iron irrigation pipe through the levee, 3 feet below the crown. Slant pump, steel walkway, and steel vent pipe on the waterside (WS) slope. Shutoff valve off the landside (LS) toe. (Permit No. 10514, 1975 - The Newhall Land and Farming Company). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 7/12/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_41070\_26173.jpg



Pipe, walkway, and vent on WS shoulder.

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>60 (cont)</b>
LM End	<b>0.74</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_41070\_26175.jpg



Pipe with cap or gate valve on end off LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.82	Rating **	M	Issue No.	61
LM End	0.82	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.424399 °	38.424399 °
				-121.530178 °	-121.530178 °
DWR ID	22797				
Comment Code					
Inspector Comment					
FS_ID:16389 DS_ID:22797 EP_NO: 1624 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 3 feet below the crown. Pump and pile structure removed from the waterside (WS) toe. Steel plate welded over the WS end. (Permit No. 1624, 1951 - American Crystal Sugar Company. Replaces an existing facility north of this location). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.81)]. FS Date: 7/12/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_16389\_27669.jpg



Pipe with steel plate welded over WS end.

LM Start	<b>0.82</b>	Rating **	M	Issue No.	<b>61 (cont)</b>
LM End	<b>0.82</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_16389\_27668.jpg



Pipe and vent/siphon breaker on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.90	Rating **	M	Issue No.	62	
LM End	0.90	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.425514 °	38.425514 °	
				-121.530970 °	-121.530970 °	
DWR ID	22809					
Comment Code						
Inspector Comment						
FS_ID:16385 DS_ID:22809 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 5 of 6: 3.5-inch pipe of an unknown material or purpose through the levee, 2.5 feet below the crown. Pipe visible in a concrete well on the landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 7/12/2013						

Photo 1 of 3 : UCIP\_SP\_2019\_16385\_27655.jpg



Pipe in concrete vault on LS shoulder.

LM Start	<b>0.90</b>	Rating **	M	Issue No.	<b>62 (cont)</b>
LM End	<b>0.90</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_16385\_27654.jpg



Pipe in concrete vault on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.90	Rating **	M	Issue No.	62 (cont)	
LM End	0.90	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.425514 °	38.425514 °	
				-121.530970 °	-121.530970 °	
DWR ID	22809					
Comment Code						
Inspector Comment						
FS_ID:16385 DS_ID:22809 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 5 of 6: 3.5-inch pipe of an unknown material or purpose through the levee, 2.5 feet below the crown. Pipe visible in a concrete well on the landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 7/12/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_16385\_27653.jpg



Pipe assumed to be in concrete vault on WS shoulder.

LM Start	0.90	Rating **	M	Issue No.	63
LM End	0.90	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID	22810				
Comment Code					
Inspector Comment					
FS_ID:16386 DS_ID:22810 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6 of 6: 3.5-inch pipe of an unknown material or purpose through the levee, 2.5 feet below the crown. Pipe visible in a concrete well on the landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_16386\_27661.jpg



Pipes visible in concrete well on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.90	Rating **	M	Issue No.	63 (cont)	
LM End	0.90	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.425514 °	38.425514 °	
				-121.530970 °	-121.530970 °	
DWR ID	22810					
Comment Code						
Inspector Comment						
FS_ID:16386 DS_ID:22810 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6 of 6: 3.5-inch pipe of an unknown material or purpose through the levee, 2.5 feet below the crown. Pipe visible in a concrete well on the landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 7/12/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_16386\_27660.jpg



Pipes visible in concrete well on LS shoulder.

LM Start	<b>0.90</b>	Rating **	M	Issue No.	<b>63 (cont)</b>
LM End	<b>0.90</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_16386\_27659.jpg



Assumed pipes are visible in concrete well on WS shoulder. Soil covers lid on concrete well.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.91	Rating **	M	Issue No.	64
LM End	0.91	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID	22806				
Comment Code					
Inspector Comment					
FS_ID:15728					
DS_ID:22806					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe abandoned and should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 2 of 6: 3.5-inch pipe of an					
unknown material or purpose through the levee, 2.5 feet below the					
crown. Pipe visible in a concrete well on the landside (LS) shoulder and					
likely in a covered concrete well on the waterside (WS) shoulder.					
[Additional Reference(s): DWR Levee Log, 1992].					
FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_15728\_26189.jpg



Pipes visible in concrete well on LS shoulder.

LM Start	<b>0.91</b>	Rating **	M	Issue No.	<b>64 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_15728\_26188.jpg



Pipes visible in concrete well on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.91	Rating **	M	Issue No.	64 (cont)	
LM End	0.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.425514 °	38.425514 °	
				-121.530970 °	-121.530970 °	
DWR ID	22806					
Comment Code						
Inspector Comment						
FS_ID:15728						
DS_ID:22806						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe abandoned and should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 2 of 6: 3.5-inch pipe of an						
unknown material or purpose through the levee, 2.5 feet below the						
crown. Pipe visible in a concrete well on the landside (LS) shoulder and						
likely in a covered concrete well on the waterside (WS) shoulder.						
[Additional Reference(s): DWR Levee Log, 1992].						
FS Date: 7/12/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_15728\_26187.jpg



Assumed pipes are in concrete well on WS shoulder at same location.

LM Start	0.91	Rating **	M	Issue No.	65	
LM End	0.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.425514 °	38.425514 °	
				-121.530970 °	-121.530970 °	
DWR ID	22799					
Comment Code						
Inspector Comment						
FS_ID:15727						
DS_ID:22799						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipes abandoned and should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 1 of 6: 3.5-inch pipe of an						
unknown material or purpose through the levee, 2.5 feet below the						
crown. Pipe visible in a concrete well on the landside (LS) shoulder.						
Concrete well on the waterside (WS) shoulder is visible, but access is						
covered with soil. [Additional Reference(s): DWR Levee Log, 1992].						
FS Date: 7/12/2013						

Photo 1 of 3 : UCIP\_SP\_2019\_15727\_26186.jpg



Pipes in concrete well on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.91	Rating **	M	Issue No.	65 (cont)	
LM End	0.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.425514 °	38.425514 °	
				-121.530970 °	-121.530970 °	
DWR ID	22799					
Comment Code						
Inspector Comment						
FS_ID:15727						
DS_ID:22799						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipes abandoned and should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 1 of 6: 3.5-inch pipe of an						
unknown material or purpose through the levee, 2.5 feet below the						
crown. Pipe visible in a concrete well on the landside (LS) shoulder.						
Concrete well on the waterside (WS) shoulder is visible, but access is						
covered with soil. [Additional Reference(s): DWR Levee Log, 1992].						
FS Date: 7/12/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_15727\_26185.jpg



Pipes in concrete well on LS shoulder.

LM Start	<b>0.91</b>	Rating **	M	Issue No.	<b>65 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_15727\_26184.jpg



Assumed pipes inside concrete well on WS shoulder at same location.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.91	Rating **	M	Issue No.	66
LM End	0.91	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID	22807				
Comment Code					
Inspector Comment					
FS_ID:16384					
DS_ID:22807					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe abandoned and should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 3 of 6: 3.5-inch pipe of an					
unknown material or purpose through the levee, 2.5 feet below the					
crown. Pipe visible in concrete wells on the landside (LS) and the					
waterside (WS) shoulders. [Additional Reference(s): DWR Levee Log,					
1992].					
FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_16384\_27649.jpg



Pipe in concrete vault on WS shoulder.

LM Start	<b>0.91</b>	Rating **	M	Issue No.	<b>66 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_16384\_27648.jpg



Pipe in concrete vault on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.91	Rating **	M	Issue No.	66 (cont)	
LM End	0.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.425514 °	38.425514 °	
				-121.530970 °	-121.530970 °	
DWR ID	22807					
Comment Code						
Inspector Comment						
FS_ID:16384						
DS_ID:22807						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe abandoned and should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 3 of 6: 3.5-inch pipe of an						
unknown material or purpose through the levee, 2.5 feet below the						
crown. Pipe visible in concrete wells on the landside (LS) and the						
waterside (WS) shoulders. [Additional Reference(s): DWR Levee Log,						
1992].						
FS Date: 7/12/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_16384\_27647.jpg



Pipe assumed to be in concrete well on WS shoulder.

LM Start	0.91	Rating **	M	Issue No.	67
LM End	0.91	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID	22808				
Comment Code					
Inspector Comment					
FS_ID:15733 DS_ID:22808 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 4 of 6: 3.5-inch pipe of an unknown material or purpose through the levee, 2.5 feet below the crown. Pipe visible in concrete wells on the landside (LS) and the waterside (WS) shoulders. [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_15733\_26197.jpg



Pipe in concrete well on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.91	Rating **	M	Issue No.	67 (cont)	
LM End	0.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.425514 °	38.425514 °	
				-121.530970 °	-121.530970 °	
DWR ID	22808					
Comment Code						
Inspector Comment						
FS_ID:15733 DS_ID:22808 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 4 of 6: 3.5-inch pipe of an unknown material or purpose through the levee, 2.5 feet below the crown. Pipe visible in concrete wells on the landside (LS) and the waterside (WS) shoulders. [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 7/12/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_15733\_26196.jpg



Pipe in concrete well on LS shoulder.

LM Start	<b>0.91</b>	Rating **	M	Issue No.	<b>67 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_15733\_26195.jpg



Pipe assumed visible in concrete well on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	0.96	Rating **	M	Issue No.	25
LM End	0.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.426310 °	38.426627 °
				-121.531460 °	-121.531577 °
DWR ID	DWR_RD0999_04_s_2019_25				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0999\_235\_25\_20190405\_00069.jpg



View looking downstream of low-hanging tree branches on levee slope. Spring 2019

LM Start	1.00	Rating **	M	Issue No.	68	
LM End	1.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.426709 °	38.426709 °	
				-121.531725 °	-121.531725 °	
DWR ID	22800					
Comment Code						
Inspector Comment						
FS_ID:16387						
DS_ID:22800						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned and should be done so properly.						
FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 13 feet below the crown. Pipe measures 16 inches in diameter on the waterside (WS) and 24 inches in diameter on the landside (LS) toe. Gate valve in a 9-foot by 18-foot concrete well on the WS slope. Slant pump missing from the WS slope. Concrete distribution house/box at the LS toe. 1.5-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.99)].						
FS Date: 7/12/2013						

Photo 1 of 3 : UCIP\_SP\_2019\_16387\_27664.jpg



Slide gate in 9'X18' concrete box on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	1.00	Rating **	M	Issue No.	68 (cont)	
LM End	1.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.426709 °		38.426709 °
				-121.531725 °		-121.531725 °
DWR ID	22800					
Comment Code						
Inspector Comment						
FS_ID:16387 DS_ID:22800 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 13 feet below the crown. Pipe measures 16 inches in diameter on the waterside (WS) and 24 inches in diameter on the landside (LS) toe. Gate valve in a 9-foot by 18-foot concrete well on the WS slope. Slant pump missing from the WS slope. Concrete distribution house/box at the LS toe. 1.5-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.99)]. FS Date: 7/12/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_16387\_27663.jpg



Slant pump missing from pier on WS slope.

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>68 (cont)</b>
LM End	<b>1.00</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_16387\_27662.jpg



9'X18' concrete box with gatevalve on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	1.10	Rating **	M	Issue No.	47
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.428152 °	38.428152 °
				-121.532502 °	-121.532502 °
DWR ID	DWR_RD0999_04_s_2017_47				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Small erosion just above riprap and runoff erosion on waterside slope.					

Photo 1 of 3 : SP\_2019\_RD0999\_235\_47\_20190307\_00023.jpg



Looking southeast at the waterside slope.

LM Start	<b>1.10</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>1.10</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2019\_RD0999\_235\_47\_20190307\_00024.jpg



Looking east at the waterside slope.

LM Start	<b>1.10</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>1.10</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2019\_RD0999\_235\_47\_20190307\_00025.jpg



Looking west at runoff erosion on waterward slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	1.11	Rating **	C	Issue No.	30
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.428242 °	38.428242 °
				-121.532580 °	-121.532580 °
DWR ID	DWR_RD0999_04_f_2018_30				
Comment Code					
DE : Debris					
Inspector Comment					
Remove mattress and landscaping materials dumped on slope.					

No Photos

LM Start	1.18	Rating **	M	Issue No.	46
LM End	1.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.429201 °	38.429201 °
				-121.533012 °	-121.533012 °
DWR ID	DWR_RD0999_04_s_2016_46				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion located just below asphalt on waterside shoulder.					

Photo 1 of 3 : SP\_2019\_RD0999\_235\_46\_20190307\_00020.jpg



View of erosion on shoulder and slope. Fall 2018

LM Start	<b>1.18</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>1.18</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2019\_RD0999\_235\_46\_20190307\_00021.jpg



Looking east at the erosion on the waterside slope. Fall 2017

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/22/2019 03/22/2019	Luz Dial

LM Start	1.18	Rating **	M	Issue No.	46 (cont)	
LM End	1.18	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.429201 °		38.429201 °
				-121.533012 °		-121.533012 °
DWR ID	DWR_RD0999_04_s_2016_46					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Erosion located just below asphalt on waterside shoulder.						

Photo 3 of 3 : SP\_2019\_RD0999\_235\_46\_20190307\_00022.jpg



Looking west at foot erosion on waterward shoulder and slope.

LM Start	1.20	Rating **	M	Issue No.	22
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.429467 °	38.429750 °
				-121.533110 °	-121.533188 °
DWR ID	DWR_RD0999_04_f_2013_22				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_RD0999\_235\_22\_20190307\_00009.jpg



Looking south at dense trees on landside slope.

LM Start	<b>1.20</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>1.22</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0999\_235\_22\_20190307\_00010.jpg



Looking south at dense trees on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2019 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

Waterway			Bank	Unit Miles
Unit No. 05 Elk Slough			Right	9.48
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/22/2019 - 3/22/2019			
DWR Inspector	Luz Dial			
Accompanied By	Stephen F. Heringer RD999			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	0.00	Rating **	M	Issue No.	49
LM End	0.01	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.332643 °	38.414157 °
				-121.584449 °	-121.523156 °
DWR ID	DWR_RD0999_05_s_2019_49				
Comment Code					
Inspector Comment					
2017 Site ID: ELK 0.2 R					
Status: Eroding					
2017 Field Notes: Fresh erosion; site continues to worsen.					
Site History: 1997 - Most of lower Elk Slough contains high near vertical banks, with erosion into the levee slope. Channel almost appears incised. 2002 - Sites where the levee slope is near vertical and severely eroding. It could fail catastrophically. 2004 - Looks bad in terms of vertical slopes and fallen trees. 2005 - Banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2006 - Both banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2010 - The entire reach is in poor condition, with severely eroding near vertical slopes, needs a regional repair. 2011 - Channel banks are still over steepened with erosion continuing. 2012 - New cracks and animal holes observed. 2013 - Fresh erosion around pump structure.					

No Photos

LM Start	0.02	Rating **	M	Issue No.	227
LM End	0.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.332875 °	38.332875 °
				-121.584529 °	-121.584529 °
DWR ID	22838				
Comment Code					
Inspector Comment					
FS_ID:24439					
DS_ID:22838					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Pipe abandoned and should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe					
through the levee, 7.7 feet below the crown. Burned down pump house					
and valve closed. Service pole on the waterside (WS) slope. Unable to					
locate concrete distribution box, March 1991. Located by					
electromagnetic survey at this location. [Additional Reference(s): DWR					
Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised),					
October 1966, (HLM 0.03)].					
FS Date: 6/27/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	0.08	Rating **	M	Issue No.	58
LM End	0.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.333751 °	38.333751 °
				-121.584390 °	-121.584390 °
DWR ID	DWR_RD0999_05_s_2018_58				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Instruct landowner to trim walnut tree.					

No Photos

LM Start	0.11	Rating **	M	Issue No.	165
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.334198 °	38.334327 °
				-121.584308 °	-121.584275 °
DWR ID	DWR_RD0999_05_s_2017_165				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Crack greater than two inches along top half of waterward slope. Three dead trees along slope damage section. Trees should be removed.					

Photo 1 of 3 : SP\_2019\_RD0999\_236\_165\_20190307\_00070.jpg



Looking at two inch plus crack on waterward shoulder.

LM Start	<b>0.11</b>	Rating **	M	Issue No.	<b>165 (cont)</b>
LM End	<b>0.12</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2019\_RD0999\_236\_165\_20190307\_00071.jpg



Looking upstream at cracking along waterward shoulder.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	0.11	Rating **	M	Issue No.	165 (cont)	
LM End	0.12	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.334198 °		38.334327 °
				-121.584308 °		-121.584275 °
DWR ID	DWR_RD0999_05_s_2017_165					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Crack greater than two inches along top half of waterward slope. Three dead trees along slope damage section. Trees should be removed.						

Photo 3 of 3 : SP\_2019\_RD0999\_236\_165\_20190307\_00072.jpg



Looking downstream at crack along waterward shoulder.

LM Start	0.21	Rating **	M	Issue No.	228
LM End	0.21	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.335568 °	38.335568 °
				-121.583780 °	-121.583780 °
DWR ID	22839				
Comment Code					
Inspector Comment					
FS_ID:15411 DS_ID:22839 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Walkway to pump on pier is falling appart and should be removed. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 11 feet below the crown. 10-inch pipe visible on slopes and at slant pump on the waterside (WS) slope. Pump on structure removed. Additional slant pump on the WS slope ties into pipe. 30-inch steel standpipe on the landside (LS) toe. Butterfly valves located on both sides of the levee. 3-foot by 3-foot steel junction box on the WS shoulder, and a 31-inch by 60-inch steel junction box on the LS shoulder. Service poles on both slopes. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.23)]. FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_15411\_25295.jpg



Pump and steel junction box visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	0.21	Rating **	M	Issue No.	228 (cont)	
LM End	0.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.335568 °	38.335568 °	
				-121.583780 °	-121.583780 °	
DWR ID	22839					
Comment Code						
Inspector Comment						
FS_ID:15411 DS_ID:22839 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Walkway to pump on pier is falling appart and should be removed. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 11 feet below the crown. 10-inch pipe visible on slopes and at slant pump on the waterside (WS) slope. Pump on structure removed. Additional slant pump on the WS slope ties into pipe. 30-inch steel standpipe on the landside (LS) toe. Butterfly valves located on both sides of the levee. 3-foot by 3-foot steel junction box on the WS shoulder, and a 31-inch by 60-inch steel junction box on the LS shoulder. Service poles on both slopes. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.23)]. FS Date: 6/27/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_15411\_25294.jpg



2nd Pump visible on WS slope.

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>228 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_15411\_25293.jpg



Steel junction box, vent, butterfly valve, and standpipe visible on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	0.50	Rating **	M	Issue No.	229
LM End	0.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.339607 °	38.339607 °
				-121.582091 °	-121.582091 °
DWR ID	22840				
Comment Code					
Inspector Comment					
FS_ID:15413 DS_ID:22840 EP_NO: 6081 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some settlement along LS and WS slopes. Good candidate for video inspection. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 3.3 feet below the crown. Pump and butterfly valve in pump house on the waterside (WS) slope. Vent in 10-inch steel standpipe on the landside (LS) slope. (Replaced an existing 10-inch pipe under Permit No. 6081, 1968 - George M. Hiromoto). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_15413\_25304.jpg



Pump in pumphouse on WSs slope.

LM Start	<b>0.50</b>	Rating **	M	Issue No.	<b>229 (cont)</b>
LM End	<b>0.50</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_15413\_25303.jpg



Butterfly valve at pumphouse on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	0.50	Rating **	M	Issue No.	229 (cont)	
LM End	0.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.339607 °	38.339607 °	
				-121.582091 °	-121.582091 °	
DWR ID	22840					
Comment Code						
Inspector Comment						
FS_ID:15413 DS_ID:22840 EP_NO: 6081 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some settlement along LS and WS slopes. Good candidate for video inspection. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 3.3 feet below the crown. Pump and butterfly valve in pump house on the waterside (WS) slope. Vent in 10-inch steel standpipe on the landside (LS) slope. (Replaced an existing 10-inch pipe under Permit No. 6081, 1968 - George M. Hiromoto). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 6/27/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_15413\_25302.jpg



Vent in 10-inch riser on LS slope.

LM Start	0.56	Rating **	M	Issue No.	50
LM End	0.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.340377 °	38.340377 °
				-121.581982 °	-121.581982 °
DWR ID	DWR_RD0999_05_s_2019_50				
Comment Code					
EQ : Equipment					
Inspector Comment					
Equipment needs to be moved to at least 10' from the levee toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	0.56	Rating **	M	Issue No.	7
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.340475 °	38.340475 °
				-121.581942 °	-121.581942 °
DWR ID	DWR_RD0999_05_s_2012_7				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.58	Rating **	M	Issue No.	230
LM End	0.58	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.340651 °	38.340651 °
				-121.581861 °	-121.581861 °
DWR ID	22841				
Comment Code					
Inspector Comment					
FS_ID:15414					
DS_ID:22841					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe abandoned and should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 16-inch steel irrigation pipe through the levee, 6 feet below the crown. Concrete pump house on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (revision), October 1966, (HLM 0.61)].					
FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_15414\_25308.jpg



Pipe visible inside abandoned pumphouse on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	0.58	Rating **	M	Issue No.	230 (cont)	
LM End	0.58	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.340651 °	38.340651 °	
				-121.581861 °	-121.581861 °	
DWR ID	22841					
Comment Code						
Inspector Comment						
FS_ID:15414						
DS_ID:22841						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe abandoned and should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 16-inch steel irrigation pipe						
through the levee, 6 feet below the crown. Concrete pump house on the						
waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1992.						
USACE Sacramento O&M Manual 113 (revision), October 1966, (HLM						
0.61)].						
FS Date: 6/27/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_15414\_25307.jpg



Pipe visible on WS slope.

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>230 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_15414\_25306.jpg



Pipe may be aligned with concrete standpipe at LS toe, but no pipe is visible on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

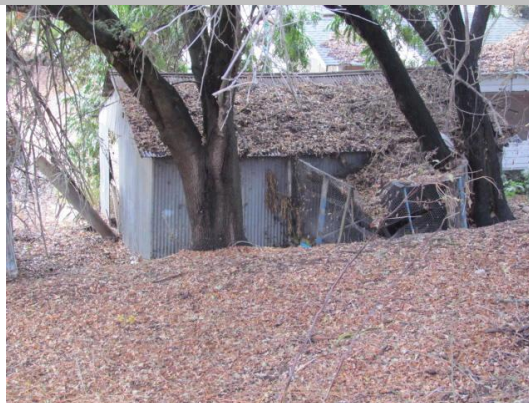
**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	0.70	Rating **	U	Issue No.	170
LM End	0.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.342288 °	38.342288 °
				-121.581278 °	-121.581278 °
DWR ID	DWR_RD0999_05_f_2015_170				
Comment Code					
BU : Building					
Inspector Comment					
Toolshed at landside toe is without a permit.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_170\_20190307\_00077.jpg



Looking at the toolshed at the landward toe.

LM Start	0.72	Rating **	M	Issue No.	231
LM End	0.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.342653 °	38.342653 °
				-121.581236 °	-121.581236 °
DWR ID	22842				
Comment Code					
Inspector Comment					
FS_ID:15450 DS_ID:22842 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation pipe through the levee, 11.5 feet below the crown. Pump and gate valve in pump house on the waterside (WS) slope. 1.5-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.75)]. FS Date: 6/27/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_15450\_25386.jpg



Pumphouse on WS slope with electrical conduit shown.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	0.72	Rating **	M	Issue No.	231 (cont)	
LM End	0.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.342653 °		38.342653 °
				-121.581236 °		-121.581236 °
DWR ID	22842					
Comment Code						
Inspector Comment						
FS_ID:15450 DS_ID:22842 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation pipe through the levee, 11.5 feet below the crown. Pump and gate valve in pump house on the waterside (WS) slope. 1.5-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.75)]. FS Date: 6/27/2013						

Photo 2 of 2 : UCIP\_SP\_2019\_15450\_25385.jpg



Pipe rusted through at gatevalve inside pumphouse.

LM Start	0.76	Rating **	M	Issue No.	52
LM End	0.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.343253 °	38.343253 °
				-121.581318 °	-121.581318 °
DWR ID	DWR_RD0999_05_s_2019_52				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Landowner needs to remove fallen tree from levee easement.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_52\_20190328\_00172.jpg



View looking west at fallen tree within levee easement. Spring 2019

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	0.77	Rating **	U	Issue No.	23
LM End	0.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.343358 °	38.343358 °
				-121.581295 °	-121.581295 °
DWR ID	DWR_RD0999_05_f_2012_23				
Comment Code					
BU : Building					
Inspector Comment					
Storage shed at landside toe does not have a permit.					

Photo 1 of 2 : SP\_2019\_RD0999\_236\_23\_20190307\_00015.jpg



Looking northwest at abandoned storage shed at landward toe. (Spring 2015)

LM Start	<b>0.77</b>	Rating **	U	Issue No.	<b>23 (cont)</b>
LM End	<b>0.77</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0999\_236\_23\_20190307\_00016.jpg



Looking northwest at storage shed at landside toe and within the 10' easement.

LM Start	0.78	Rating **	M	Issue No.	128
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.343495 °	38.343617 °
				-121.581282 °	-121.581249 °
DWR ID	DWR_RD0999_05_s_2012_128				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_RD0999\_236\_128\_20190307\_00053.jpg



Looking northwest at untrimmed trees on landward slope. (Spring 2015)

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	0.78	Rating **	M	Issue No.	128 (cont)	
LM End	0.79	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.343495 °		38.343617 °
				-121.581282 °		-121.581249 °
DWR ID	DWR_RD0999_05_s_2012_128					
Comment Code						
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						

Photo 2 of 2 : SP\_2019\_RD0999\_236\_128\_20190307\_00054.jpg



Looking at dense trees on landside slope and toe.

LM Start	0.80	Rating **	U	Issue No.	11
LM End	0.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.343825 °	38.345215 °
				-121.581133 °	-121.580728 °
DWR ID	DWR_RD0999_05_s_2012_11				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_RD0999\_236\_11\_20190307\_00006.jpg



View of landscaping (Ivy) looking upstream.

LM Start	<b>0.80</b>	Rating **	U	Issue No.	<b>11 (cont)</b>
LM End	<b>0.90</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0999\_236\_11\_20190307\_00007.jpg



View of landscaping (Ivy) blocking view of landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	0.81	Rating **	U	Issue No.	190
LM End	0.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.343895 °	38.345433 °
				-121.581186 °	-121.580659 °
DWR ID	DWR_RD0999_05_f_2014_190				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_190\_20190307\_00088.jpg



Looking west at dense vegetation on landward slope and toe.

LM Start	0.84	Rating **	M	Issue No.	10
LM End	0.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.344294 °	38.344294 °
				-121.581054 °	-121.581054 °
DWR ID	DWR_RD0999_05_s_2018_10				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
LMA sprayed vegetation but needs to clear dead vegetation.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_10\_20190307\_00005.jpg



Vegetation waterside looking north. Spring 2018

LM Start	0.87	Rating **	M	Issue No.	53
LM End	0.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.344833 °	38.344833 °
				-121.580932 °	-121.580932 °
DWR ID	DWR_RD0999_05_s_2019_53				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

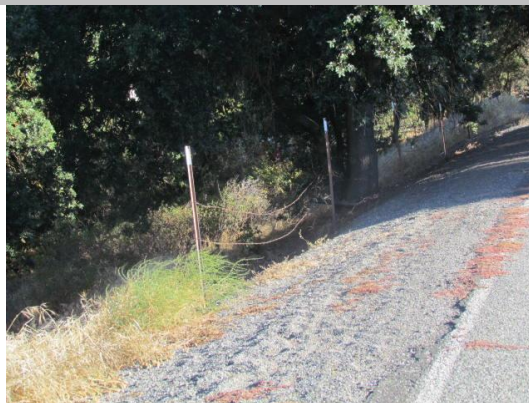
**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	0.96	Rating **	M	Issue No.	136
LM End	1.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.346016 °	38.346861 °
				-121.580358 °	-121.579853 °
DWR ID	DWR_RD0999_05_f_2013_136				
Comment Code					
FE : Fence					
Inspector Comment					
Fencing on landside slope is unauthorized.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_136\_20190307\_00057.jpg



Looking northwest at fence on landward slope.

LM Start	1.00	Rating **	M	Issue No.	180
LM End	1.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.346477 °	38.346864 °
				-121.580086 °	-121.579864 °
DWR ID	DWR_RD0999_05_s_2015_180				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Instruct landowner to remove trees/vegetation within the levee easement.					

No Photos

LM Start	1.03	Rating **	M	Issue No.	54
LM End	1.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.346937 °	38.346937 °
				-121.579840 °	-121.579840 °
DWR ID	DWR_RD0999_05_s_2019_54				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	1.04	Rating **	M	Issue No.	146
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.347067 °	38.347331 °
				-121.579735 °	-121.579582 °
DWR ID	DWR_RD0999_05_f_2013_146				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.06	Rating **	M	Issue No.	55
LM End	1.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.347332 °	38.347332 °
				-121.579503 °	-121.579503 °
DWR ID	DWR_RD0999_05_s_2019_55				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.07	Rating **	M	Issue No.	14
LM End	1.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.347427 °	38.347863 °
				-121.579395 °	-121.579113 °
DWR ID	DWR_RD0999_05_s_2012_14				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Instruct landowner to trim and thin trees on levee easement.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_14\_20190307\_00010.jpg



Looking west at untrimmed trees on landward slope and toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	1.13	Rating **	M	Issue No.	232
LM End	1.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.348113 °	38.348113 °
				-121.578841 °	-121.578841 °
DWR ID	23964				
Comment Code					
Inspector Comment					
FS_ID:16336 DS_ID:23964 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be removed. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee, 6.5 feet below the crown. Pipe extends under metal walkway on the waterside (WS) shoulder. FS Date: 6/27/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_16336\_27532.jpg



Pipe visible on LS shoulder.

LM Start	1.13	Rating **	M	Issue No.	232 (cont)
LM End	1.13	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_16336\_27531.jpg



Pipe visible beneath 10-inch pipe that is currently in use. No connection.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	1.15	Rating **	U	Issue No.	15
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.348237 °	38.348328 °
				-121.578440 °	-121.577735 °
DWR ID	DWR_RD0999_05_s_2012_15				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_15\_20190307\_00011.jpg



Looking north at untrimmed trees on landward slope and toe.

LM Start	1.18	Rating **	M	Issue No.	169
LM End	1.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.348339 °	38.348339 °
				-121.577840 °	-121.577840 °
DWR ID	DWR_RD0999_05_f_2016_169				
Comment Code					
EQ : Equipment					
Inspector Comment					
Instruct landowner to move boat off of landside easement.					

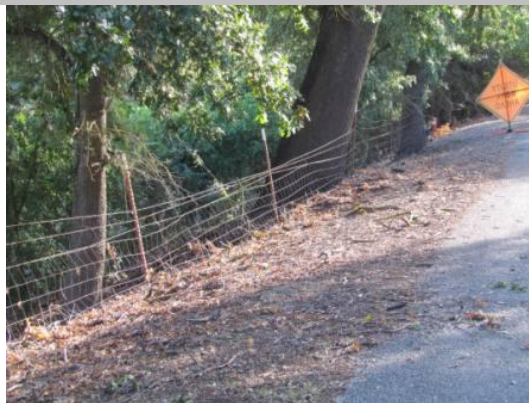
Photo 1 of 1 : SP\_2019\_RD0999\_236\_169\_20190307\_00076.jpg



Looking southwest at boat on landward slope.

LM Start	1.20	Rating **	M	Issue No.	76
LM End	1.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.348336 °	38.348332 °
				-121.577621 °	-121.577172 °
DWR ID	DWR_RD0999_05_s_2012_76				
Comment Code					
FE : Fence					
Inspector Comment					
Fence located on landside shoulder needs a permit.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_76\_20190307\_00031.jpg



Looking north at fence along landside slope.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	1.25	Rating **	M	Issue No.	171
LM End	1.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.348319 °	38.348319 °
				-121.576566 °	-121.576566 °
DWR ID	DWR_RD0999_05_f_2015_171				
Comment Code					
EQ : Equipment					
Inspector Comment					
Instruct landowner to move old farm equipment off of landside easement.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_171\_20190307\_00078.jpg



Looking at farm equipment on landward slope.

LM Start	1.28	Rating **	U	Issue No.	2
LM End	1.28	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348279 °	38.348279 °
				-121.576061 °	-121.576061 °
DWR ID	DWR_RD0999_05_s_2012_2				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Instruct landowner to remove landscaping from landside slope.					

Photo 1 of 4 : SP\_2019\_RD0999\_236\_2\_20190307\_00001.jpg



Looking southwest at dense cactus plants on landward slope and toe.

LM Start	<b>1.28</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>1.28</b>	Issue Type +	En	Location *	LS

Photo 2 of 4 : SP\_2019\_RD0999\_236\_2\_20190307\_00002.jpg



Looking south at landscaping on landward slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	1.28	Rating **	U	Issue No.	2 (cont)	
LM End	1.28	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.348279 °		38.348279 °
				-121.576061 °		-121.576061 °
DWR ID	DWR_RD0999_05_s_2012_2					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Instruct landowner to remove landscaping from landside slope.						

Photo 3 of 4 : SP\_2019\_RD0999\_236\_2\_20190307\_00003.jpg



Looking northwest at landscaping on landward slope.

LM Start	<b>1.28</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>1.28</b>	Issue Type +	En	Location *	LS

Photo 4 of 4 : SP\_2019\_RD0999\_236\_2\_20190307\_00004.jpg



Looking south at landward slope. (Spring 2015)

LM Start	1.30	Rating **	M	Issue No.	36
LM End	1.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.348252 °	38.348252 °
				-121.575704 °	-121.575704 °
DWR ID	DWR_RD0999_05_s_2012_36				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	1.31	Rating **	U	Issue No.	13
LM End	1.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348250 °	38.348226 °
				-121.575510 °	-121.575399 °
DWR ID	DWR_RD0999_05_s_2018_13				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Instruct landowner to trim vegetation within levee easement.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_13\_20190307\_00009.jpg



Vegetation landside looking west. Spring 2018

LM Start	1.31	Rating **	U	Issue No.	172
LM End	1.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.348248 °	38.348248 °
				-121.575467 °	-121.575467 °
DWR ID	DWR_RD0999_05_f_2015_172				
Comment Code					
BU : Building					
Inspector Comment					
Toolshed located at landside toe is unauthorized.					

Photo 1 of 3 : SP\_2019\_RD0999\_236\_172\_20190307\_00079.jpg



Looking southwest at toolshed at landward toe.

LM Start	<b>1.31</b>	Rating **	U	Issue No.	<b>172 (cont)</b>
LM End	<b>1.31</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP\_2019\_RD0999\_236\_172\_20190307\_00080.jpg



Looking west at toolshed at landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	1.31	Rating **	U	Issue No.	172 (cont)	
LM End	1.31	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.348248 °		38.348248 °
				-121.575467 °		-121.575467 °
DWR ID	DWR_RD0999_05_f_2015_172					
Comment Code						
BU : Building						
Inspector Comment						
Toolshed located at landside toe is unauthorized.						

Photo 3 of 3 : SP\_2019\_RD0999\_236\_172\_20190307\_00081.jpg



Looking at northwest at toolshed at landward toe.

LM Start	1.33	Rating **	M	Issue No.	149
LM End	1.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348223 °	38.348191 °
				-121.575223 °	-121.574667 °
DWR ID	DWR_RD0999_05_f_2013_149				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Instruct landowner to remove large cactus plants on landside slope.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_149\_20190307\_00060.jpg



Looking northwest at several cactus plants on landward slope.

LM Start	1.33	Rating **	M	Issue No.	59
LM End	1.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348223 °	38.348160 °
				-121.575145 °	-121.574472 °
DWR ID	DWR_RD0999_05_s_2019_59				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	1.41	Rating **	M	Issue No.	63
LM End	1.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348107 °	38.348107 °
				-121.573765 °	-121.573765 °
DWR ID	DWR_RD0999_05_s_2018_63				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Instruct landowner to remove multiple century plants along landside slope.					

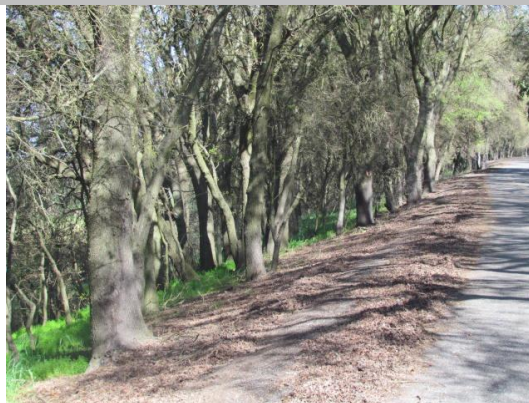
No Photos

LM Start	1.42	Rating **	M	Issue No.	60
LM End	1.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348152 °	38.348152 °
				-121.573605 °	-121.573605 °
DWR ID	DWR_RD0999_05_s_2019_60				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.55	Rating **	M	Issue No.	18
LM End	1.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.349848 °	38.350757 °
				-121.573648 °	-121.573910 °
DWR ID	DWR_RD0999_05_s_2012_18				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
LMA trimmed some trees but more trimming is still needed.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_18\_20190307\_00014.jpg



Looking east at dense trees on landward slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	1.69	Rating **	U	Issue No.	199
LM End	1.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.351957 °	38.351957 °
				-121.574096 °	-121.574096 °
DWR ID	DWR_RD0999_05_f_2014_199				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove wild vegetation on landward easement. Poison oak is in area, according to LMA.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_199\_20190307\_00092.jpg



Looking northwest at dense vegetation on landward slope.

LM Start	1.70	Rating **	M	Issue No.	21
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.352088 °	38.352968 °
				-121.574052 °	-121.574008 °
DWR ID	DWR_RD0999_05_s_2012_21				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
LMA sprayed vegetation but needs to clear debris.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	1.83	Rating **	M	Issue No.	233	
LM End	1.83	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.353864 °	38.353864 °	
				-121.573577 °	-121.573577 °	
DWR ID	22847					
Comment Code						
Inspector Comment						
FS_ID:15421						
DS_ID:22847						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Abandoned and should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation pipe						
through the levee, 4.7 feet below the crown. Pump house on the						
waterside (WS) slope. Both ends open. [Additional Reference(s): DWR						
Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised),						
October 1966, (HLM 1.89)].						
FS Date: 6/27/2013						

Photo 1 of 2 : UCIP\_SP\_2019\_15421\_25323.jpg



Pipe and pump remnants on WS slope.

LM Start	<b>1.83</b>	Rating **	M	Issue No.	<b>233 (cont)</b>
LM End	<b>1.83</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_15421\_25322.jpg



Pipe visible on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	2.00	Rating **	A/W	Issue No.	167
LM End	2.00	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.355538 °	38.355538 °
				-121.571398 °	-121.571398 °
DWR ID	DWR_RD0999_05_s_2017_167				
Comment Code					
PO : Pole					
Inspector Comment					
Remove poles 30 to 36 inches deep on waterside shoulder.					

Photo 1 of 3 : SP\_2019\_RD0999\_236\_167\_20190307\_00073.jpg



Looking downstream at wooden poles on waterward shoulder.

LM Start	<b>2.00</b>	Rating **	A/W	Issue No.	<b>167 (cont)</b>
LM End	<b>2.00</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : SP\_2019\_RD0999\_236\_167\_20190307\_00074.jpg



Looking at crack along waterward caused by poles.

LM Start	<b>2.00</b>	Rating **	A/W	Issue No.	<b>167 (cont)</b>
LM End	<b>2.00</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : SP\_2019\_RD0999\_236\_167\_20190307\_00075.jpg



Looking at 3-4 ft hole for pole on waterward shoulder.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	2.01	Rating **	M	Issue No.	64
LM End	2.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.355534 °	38.355534 °
				-121.571245 °	-121.571245 °
DWR ID	DWR_RD0999_05_s_2018_64				
Comment Code					
EQ : Equipment					
Inspector Comment					
Instruct landowner to move irrigation equipment off of landside easement.					

No Photos

LM Start	2.05	Rating **	M	Issue No.	67
LM End	2.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.355637 °	38.355637 °
				-121.570442 °	-121.570442 °
DWR ID	DWR_RD0999_05_s_2018_67				
Comment Code					
EQ : Equipment					
Inspector Comment					
Instruct landowner to move poles off of landside toe easement.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_67\_20190307\_00028.jpg



Encroachment poles landside looking northwest. Spring 2018

LM Start	2.09	Rating **	M	Issue No.	212
LM End	2.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.355673 °	38.355673 °
				-121.569794 °	-121.569794 °
DWR ID	DWR_RD0999_05_s_2016_212				
Comment Code					
EQ : Equipment					
Inspector Comment					
Instruct farmer to move black sprinkler lines off of landside toe easement.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_212\_20190307\_00095.jpg



Looking south at black sprinkler lines at landward toe.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	2.49	Rating **	C	Issue No.	82
LM End	2.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.356177 °	38.358132 °
				-121.563452 °	-121.562347 °
DWR ID	DWR_RD0999_05_s_2012_82				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Landowner sprayed vegetation and cleared debris.					

No Photos

LM Start	2.86	Rating **	M	Issue No.	152
LM End	3.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.361047 °	38.364409 °
				-121.563113 °	-121.561941 °
DWR ID	DWR_RD0999_05_f_2013_152				
Comment Code					
DT : Ditch					
Inspector Comment					
Irrigation ditch is unauthorized.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_152\_20190307\_00061.jpg



Looking north at abandoned irrigation ditch at landward toe.

LM Start	2.92	Rating **	M	Issue No.	68
LM End	2.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.361977 °	38.361977 °
				-121.563343 °	-121.563343 °
DWR ID	DWR_RD0999_05_s_2019_68				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings need to be cleared from waterside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	3.02	Rating **	M	Issue No.	234	
LM End	3.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.363420 °		38.363420 °
				-121.563102 °		-121.563102 °
DWR ID	22849					
Comment Code						
Inspector Comment						
FS_ID:53370 DS_ID:22849 EP_NO: 7378 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/26/2018 Pump was in operation at time of inspection and no leaks were detected. Erosion on LS toe same as last inspection, so no signs of erosion progression. Recommend monitoring this crossing; downgrading to Non-Urgent from Urgent (D. Sanoski - DWR UCIP).07/07/2016 - LS toe of levee still has erosion around stand pipe and adjacent oak tree. Erosion does not appear to be any worse than during previous inspection. no water in canal on LS toe led to the discovery of two additional appurtenant structures. (T. Hatch/UCIP)06/28/2013 - Pipe outlet is eroding the LS slope of the levee, exposing the roots of an oak and threatening greater damage if allowed to continue. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 6 feet below the crown. Slant pump and service pole on the waterside (WS) slope. 36-inch concrete standpipe on the landside (LS) toe. (Permit No. 7378, 1971 - Rudolph H. Volz. Replaced an existing 8-inch pipe at the same location). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 7/26/2018 10:26:00 AM						

LM Start	<b>3.02</b>	Rating **	M	Issue No.	<b>234 (cont)</b>
LM End	<b>3.02</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53370\_25332.jpg



Slant pump, JP, and meter on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_53370\_25331.jpg



Slant pump and pipe on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	3.02	Rating **	M	Issue No.	234 (cont)	
LM End	3.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.363420 °	38.363420 °	
				-121.563102 °	-121.563102 °	
DWR ID	22849					
Comment Code						
Inspector Comment						
FS_ID:53370 DS_ID:22849 EP_NO: 7378 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/26/2018 Pump was in operation at time of inspection and no leaks were detected. Erosion on LS toe same as last inspection, so no signs of erosion progression. Recommend monitoring this crossing; downgrading to Non-Urgent from Urgent (D. Sanoski - DWR UCIP).07/07/2016 - LS toe of levee still has erosion around stand pipe and adjacent oak tree. Erosion does not appear to be any worse than during previous inspection. no water in canal on LS toe led to the discovery of two additional appurtenant structures. (T. Hatch/UCIP)06/28/2013 - Pipe outlet is eroding the LS slope of the levee, exposing the roots of an oak and threatening greater damage if allowed to continue. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 6 feet below the crown. Slant pump and service pole on the waterside (WS) slope. 36-inch concrete standpipe on the landside (LS) toe. (Permit No. 7378, 1971 - Rudolph H. Volz. Replaced an existing 8-inch pipe at the same location). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 7/26/2018 10:26:00 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_53370\_25330.jpg



36-inch concrete standpipe on LS toe.

LM Start	3.04	Rating **	M	Issue No.	153
LM End	4.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.363610 °	38.372513 °
				-121.562920 °	-121.552538 °
DWR ID	DWR_RD0999_05_f_2013_153				
Comment Code					
DT : Ditch					
Inspector Comment					
Abandoned irrigation ditch at landside toe.					

Photo 1 of 3 : SP\_2019\_RD0999\_236\_153\_20190307\_00062.jpg



Looking north at old irrigation ditch at landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	3.04	Rating **	M	Issue No.	153 (cont)	
LM End	4.22	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.363610 °	38.372513 °	
				-121.562920 °	-121.552538 °	
DWR ID	DWR_RD0999_05_f_2013_153					
Comment Code						
DT : Ditch						
Inspector Comment						
Abandoned irrigation ditch at landside toe.						

Photo 2 of 3 : SP\_2019\_RD0999\_236\_153\_20190307\_00063.jpg



Looking south at irrigation ditch at landward toe.

LM Start	<b>3.04</b>	Rating **	M	Issue No.	<b>153 (cont)</b>
LM End	<b>4.22</b>	Issue Type +	En	Location *	LS

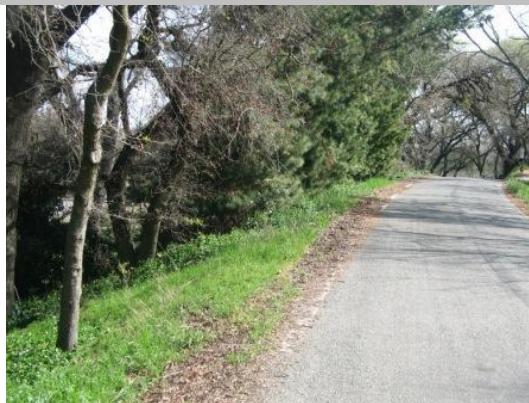
Photo 3 of 3 : SP\_2019\_RD0999\_236\_153\_20190307\_00064.jpg



Looking north at irrigation ditch at landward toe.

LM Start	3.13	Rating **	M	Issue No.	31
LM End	3.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.364500 °	38.364649 °
				-121.561668 °	-121.561025 °
DWR ID	DWR_RD0999_05_s_2012_31				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_31\_20190307\_00018.jpg



Looking downstream of landscaping blocking view of landside slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	3.55	Rating **	M	Issue No.	83
LM End	3.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.365742 °	38.365742 °
				-121.556778 °	-121.556778 °
DWR ID	DWR_RD0999_05_f_2018_83				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Repair slope damage caused by large fallen tree.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_83\_20190307\_00034.jpg



View of a fallen tree and slope damage. Fall 2018

LM Start	3.58	Rating **	M	Issue No.	202
LM End	3.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.366100 °	38.367043 °
				-121.556831 °	-121.556772 °
DWR ID	DWR_RD0999_05_f_2014_202				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					
Sprinkler system on landside slope needs a permit.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_202\_20190307\_00094.jpg



Looking west at one of several sprinklers installed on landward slope.

LM Start	3.64	Rating **	M	Issue No.	16
LM End	3.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.366958 °	38.366958 °
				-121.556822 °	-121.556822 °
DWR ID	DWR_RD0999_05_s_2012_16				
Comment Code					
EQ : Equipment					
Inspector Comment					
Landowner needs to move equipment stored at landside toe easement; listed on levee log.					

Photo 1 of 2 : SP\_2019\_RD0999\_236\_16\_20190307\_00012.jpg



Looking northwest at equipment on landside toe.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	3.64	Rating **	M	Issue No.	16 (cont)	
LM End	3.64	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.366958 °	38.366958 °	
				-121.556822 °	-121.556822 °	
DWR ID	DWR_RD0999_05_s_2012_16					
Comment Code						
EQ : Equipment						
Inspector Comment						
Landowner needs to move equipment stored at landside toe easement; listed on levee log.						

Photo 2 of 2 : SP\_2019\_RD0999\_236\_16\_20190307\_00013.jpg



Looking west at equipment at landside toe.

LM Start	3.67	Rating **	M	Issue No.	72
LM End	3.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.367430 °	38.367430 °
				-121.556580 °	-121.556580 °
DWR ID	DWR_RD0999_05_s_2019_72				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	3.67	Rating **	M	Issue No.	235
LM End	3.67	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.367469 °	38.367469 °
				-121.556509 °	-121.556509 °
DWR ID	23965				
Comment Code					
Inspector Comment					
FS_ID:16337 DS_ID:23965 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No. for this crossing. FIELD_STRUCT_DESC: 9-inch steel irrigation pipe through the levee, 2 feet below the crown. Pump on pier on the waterside (WS) with butterfly valve. Filter plant and siphon breaker on the landside (LS) toe. 1.5-inch galvanized iron electrical conduit at the same location. FS Date: 6/28/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_16337\_27535.jpg



Pump on pier at WS.

LM Start	<b>3.67</b>	Rating **	M	Issue No.	<b>235 (cont)</b>
LM End	<b>3.67</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_16337\_27534.jpg



1.5-inch galvanized iron electrical conduit at same location.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	3.67	Rating **	M	Issue No.	235 (cont)	
LM End	3.67	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.367469 °	38.367469 °	
				-121.556509 °	-121.556509 °	
DWR ID	23965					
Comment Code						
Inspector Comment						
FS_ID:16337						
DS_ID:23965						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to determine permit No. for this crossing.						
FIELD_STRUCT_DESC: 9-inch steel irrigation pipe through the levee, 2 feet below the crown. Pump on pier on the waterside (WS) with butterfly valve. Filter plant and siphon breaker on the landside (LS) toe. 1.5-inch galvanized iron electrical conduit at the same location.						
FS Date: 6/28/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_16337\_27533.jpg



Siphon breaker and filter plant on LS toe.

LM Start	3.68	Rating **	C	Issue No.	69
LM End	3.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.367529 °	38.367529 °
				-121.556455 °	-121.556455 °
DWR ID	DWR_RD0999_05_s_2018_69				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair hole caused by removal of fencepost.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	3.70	Rating **	M	Issue No.	84
LM End	3.74	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.367644 °	38.367971 °
				-121.556012 °	-121.555431 °
DWR ID	DWR_RD0999_05_s_2012_84				
Comment Code					
FE : Fence					
Inspector Comment					
Fencing for livestock needs a permit.					

No Photos

LM Start	3.80	Rating **	M	Issue No.	85
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.368175 °	38.368175 °
				-121.554392 °	-121.554392 °
DWR ID	DWR_RD0999_05_f_2018_85				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair levee slope damaged by fallen tree.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_85\_20190307\_00035.jpg



View of fallen tree and slope damage. Fall 2018

LM Start	3.80	Rating **	M	Issue No.	174
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.368207 °	38.368207 °
				-121.554360 °	-121.554360 °
DWR ID	DWR_RD0999_05_s_2019_174				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree branch and limbs on waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_174\_20190307\_00082.jpg



Looking at tree branch on waterward slope.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

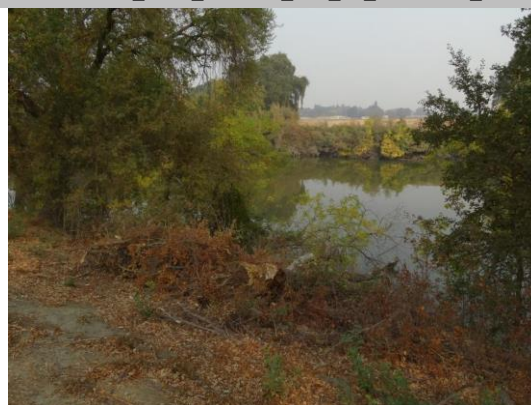
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	3.87	Rating **	M	Issue No.	74
LM End	3.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.368277 °	38.368698 °
				-121.553085 °	-121.552413 °
DWR ID	DWR_RD0999_05_s_2019_74				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.01	Rating **	M	Issue No.	90
LM End	4.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.369813 °	38.369813 °
				-121.552985 °	-121.552985 °
DWR ID	DWR_RD0999_05_f_2018_90				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree debris needs to be cleared from levee slope easement.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_90\_20190307\_00036.jpg



View of tree debris on levee easement. Fall 2018

LM Start	4.04	Rating **	M	Issue No.	78
LM End	4.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.370220 °	38.370220 °
				-121.553262 °	-121.553262 °
DWR ID	DWR_RD0999_05_s_2019_78				
Comment Code					
FW : Firewood					
Inspector Comment					
Logs need to be cleared from levee toe.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

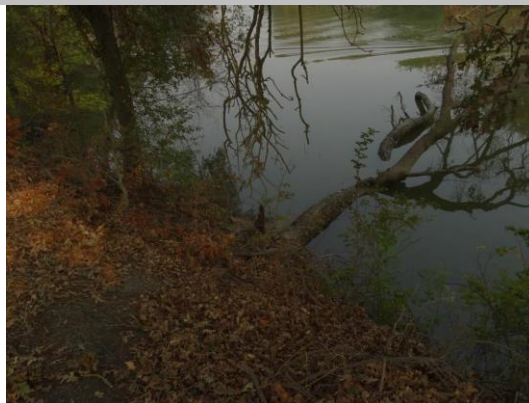
**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	4.08	Rating **	M	Issue No.	91
LM End	4.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.370853 °	38.370853 °
				-121.553605 °	-121.553605 °
DWR ID	DWR_RD0999_05_f_2018_91				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair erosion caused by fallen tree with exposed rootball.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_91\_20190307\_00037.jpg



View of tree with rootball exposed. Fall 2018

LM Start	4.25	Rating **	U	Issue No.	12
LM End	4.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.372872 °	38.372872 °
				-121.552185 °	-121.552185 °
DWR ID	DWR_RD0999_05_s_2017_12				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
LMA repaired cracks, but sloughing damage still needs to be repaired.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_12\_20190307\_00008.jpg



Looking downstream at finger erosion on downstream side of slough.

LM Start	4.35	Rating **	M	Issue No.	80
LM End	4.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.374253 °	38.374253 °
				-121.551358 °	-121.551358 °
DWR ID	DWR_RD0999_05_s_2019_80				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	4.36	Rating **	M	Issue No.	236
LM End	4.36	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.374376 °	38.374376 °
				-121.551201 °	-121.551201 °
DWR ID	23966				
Comment Code					
Inspector Comment					
FS_ID:16338 DS_ID:23966 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This crossing should be permitted or removed. FIELD_STRUCT_DESC: 2-inch plastic water line through the levee, 6 inches below the crown. Portable pump on the waterside (WS) toe. FS Date: 6/28/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_16338\_27538.jpg



Flex pipe through the levee 6-inches below the crown with portable pump on WS toe.

LM Start	<b>4.36</b>	Rating **	M	Issue No.	<b>236 (cont)</b>
LM End	<b>4.36</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_16338\_27537.jpg



Flex pipe visible on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	4.36	Rating **	M	Issue No.	92
LM End	4.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.374372 °	38.374372 °
				-121.551188 °	-121.551188 °
DWR ID	DWR_RD0999_05_s_2019_92				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Fruit trees need to be removed.					

No Photos

LM Start	4.37	Rating **	M	Issue No.	56
LM End	4.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.374410 °	38.374410 °
				-121.551173 °	-121.551173 °
DWR ID	DWR_RD0999_05_s_2012_56				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Instruct landowner to remove cactus from levee easement.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_56\_20190307\_00024.jpg



Looking northwest at cactus on landside shoulder and slope. (Spring 2012)

LM Start	4.38	Rating **	M	Issue No.	44
LM End	4.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.374591 °	38.374591 °
				-121.550936 °	-121.550936 °
DWR ID	DWR_RD0999_05_s_2018_44				
Comment Code					
PR : Prunings					
Inspector Comment					
LMA will remove prunings.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	4.45	Rating **	M	Issue No.	237
LM End	4.45	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.375036 °	38.375036 °
				-121.549961 °	-121.549961 °
DWR ID	23967				
Comment Code					
Inspector Comment					
FS_ID:16403 DS_ID:23967 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine Permit No. for this crossing or remove it. FIELD_STRUCT_DESC: 5-inch temporary aluminum irrigation pipe over the top of the levee. Portable pump on the waterside (WS) toe. FS Date: 6/28/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_16403\_27686.jpg



Pipe on LS slope.

LM Start	<b>4.45</b>	Rating **	M	Issue No.	<b>237 (cont)</b>
LM End	<b>4.45</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_16403\_27685.jpg



Pipe on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	4.45	Rating **	M	Issue No.	237 (cont)	
LM End	4.45	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.375036 °	38.375036 °	
				-121.549961 °	-121.549961 °	
DWR ID	23967					
Comment Code						
Inspector Comment						
FS_ID:16403 DS_ID:23967 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine Permit No. for this crossing or remove it. FIELD_STRUCT_DESC: 5-inch temporary aluminum irrigation pipe over the top of the levee. Portable pump on the waterside (WS) toe. FS Date: 6/28/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_16403\_27687.jpg



Portable pump on WS toe.

LM Start	4.47	Rating **	M	Issue No.	94
LM End	4.47	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.375125 °	38.375125 °
				-121.549560 °	-121.549560 °
DWR ID	DWR_RD0999_05_s_2019_94				
Comment Code					
PR : Prunings					
Inspector Comment					
Landowner prunings need to be cleared.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	4.54	Rating **	M	Issue No.	98
LM End	4.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375077 °	38.375077 °
				-121.548225 °	-121.548225 °
DWR ID	DWR_RD0999_05_s_2019_98				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.62	Rating **	U	Issue No.	28
LM End	4.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.375308 °	38.375308 °
				-121.546828 °	-121.546828 °
DWR ID	DWR_RD0999_05_s_2017_28				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope and is partly in water. Large hole on waterside slope previously noted was not visible during this inspection.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_28\_20190307\_00017.jpg



View of dead tree on slope. Fall 2018

LM Start	4.65	Rating **	N	Issue No.	62
LM End	4.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375365 °	38.375365 °
				-121.546305 °	-121.546305 °
DWR ID	DWR_RD0999_05_s_2012_62				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_62\_20190307\_00025.jpg



View of tree stump on levee slope. Fall 2018

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	4.69	Rating **	M	Issue No.	238
LM End	4.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.375537 °	38.375537 °
				-121.545647 °	-121.545647 °
DWR ID	22882				
Comment Code					
Inspector Comment					
FS_ID:15443 DS_ID:22882 EP_NO: 7383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 4 feet below the crown. Pump house on the waterside (WS) slope, and a joint pole (JP) on the landside (LS) shoulder. 1.5-inch galvanized iron electrical conduit at the same location. Replaces an existing portion of a 10-inch pipe within the levee section. (Permit No. 7383, 1971 - Monticello Vineyards). [Additional Reference(s): USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 4.84)]. FS Date: 6/28/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_15443\_25362.jpg



Abandoned pumphouse on WS slope.

LM Start	<b>4.69</b>	Rating **	M	Issue No.	<b>238 (cont)</b>
LM End	<b>4.69</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_15443\_25361.jpg



Abandoned pumphouse on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	4.69	Rating **	M	Issue No.	238 (cont)	
LM End	4.69	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.375537 °	38.375537 °	
				-121.545647 °	-121.545647 °	
DWR ID	22882					
Comment Code						
Inspector Comment						
FS_ID:15443 DS_ID:22882 EP_NO: 7383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 4 feet below the crown. Pump house on the waterside (WS) slope, and a joint pole (JP) on the landside (LS) shoulder. 1.5-inch galvanized iron electrical conduit at the same location. Replaces an existing portion of a 10-inch pipe within the levee section. (Permit No. 7383, 1971 - Monticello Vineyards). [Additional Reference(s): USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 4.84)]. FS Date: 6/28/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_15443\_25360.jpg



Pipe visible on LS slope.

LM Start	5.04	Rating **	M	Issue No.	105
LM End	5.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.379273 °	38.379522 °
				-121.541150 °	-121.541045 °
DWR ID	DWR_RD0999_05_s_2019_105				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	5.06	Rating **	M	Issue No.	106
LM End	5.06	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.379540 °	38.379540 °
				-121.541050 °	-121.541050 °
DWR ID	DWR_RD0999_05_s_2019_106				
Comment Code					
DE : Debris					
Inspector Comment					
Clear debris and prunings on levee crown.					

No Photos

LM Start	5.11	Rating **	C	Issue No.	95
LM End	5.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.380262 °	38.380262 °
				-121.541088 °	-121.541088 °
DWR ID	DWR_RD0999_05_f_2018_95				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
LMA sprayed vegetation on slope but needs to clear dead vegetation.					

No Photos

LM Start	5.12	Rating **	M	Issue No.	176
LM End	5.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.380420 °	38.380420 °
				-121.541102 °	-121.541102 °
DWR ID	DWR_RD0999_05_f_2015_176				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Large hole on waterside shoulder remains, but tree was removed.					

Photo 1 of 3 : SP\_2019\_RD0999\_236\_176\_20190307\_00083.jpg



Looking at hole from fallen tree on waterward shoulder. (Fall 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	5.12	Rating **	M	Issue No.	176 (cont)	
LM End	5.12	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.380420 °		38.380420 °
				-121.541102 °		-121.541102 °
DWR ID	DWR_RD0999_05_f_2015_176					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Large hole on waterside shoulder remains, but tree was removed.						

Photo 2 of 3 : SP\_2019\_RD0999\_236\_176\_20190307\_00084.jpg



Looking at hole on waterward shoulder caused by fallen tree.

LM Start	<b>5.12</b>	Rating **	M	Issue No.	<b>176 (cont)</b>
LM End	<b>5.12</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2019\_RD0999\_236\_176\_20190307\_00085.jpg



Looking at fallen tree and hole on waterward slope and shoulder.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

# Reclamation District No. 0999 Netherlands

Pipe visible on WS slope.

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	5.13	Rating **	M	Issue No.	239 (cont)	
LM End	5.13	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.380523 °	38.380523 °	
				-121.541186 °	-121.541186 °	
DWR ID	22856					
Comment Code						
Inspector Comment						
FS_ID:53371 DS_ID:22856 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/26/2018 Same as last inspection. No outlet on LS and appears abandoned. Downgrading to Non-Urgent due to no visual signs of pipe or levee integrity issues (D. Sanoski - DWR UCIP).07/07/2016 - Pipe open on WS. no pipe or appurtenances visible on LS. pipe on WS slope below open penetration noted. May have previously been connected. (T. Hatch/UCIP)06/28/2013 - Pipe abandoned and should be done so properly. Pipe open on waterside. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 7-inch steel irrigation pipe through the levee, 6.5 feet below the crown. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 5.31) (8-inch pipe listed)]. FS Date: 7/26/2018 11:15:00 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_53371\_75319.jpg



pipe on WS slope of levee below pipe penetrating levee. May have previously been connected.

LM Start	5.17	Rating **	M	Issue No.	107
LM End	5.17	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.380915 °	38.380915 °
				-121.541775 °	-121.541775 °
DWR ID	DWR_RD0999_05_s _ 2019_107				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	5.35	Rating **	U	Issue No.	97
LM End	5.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.381297 °	38.381297 °
				-121.545037 °	-121.545037 °
DWR ID	DWR_RD0999_05_f_2018_97				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Fallen trees removed a section of the levee toe.					

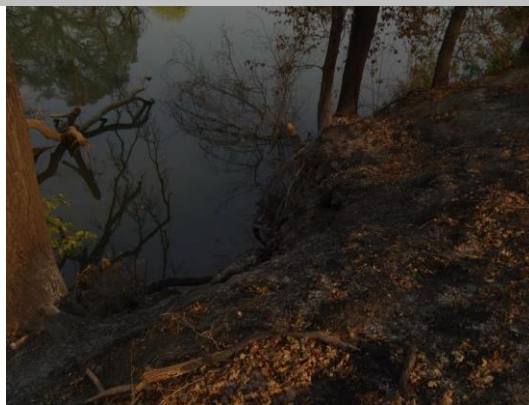
Photo 1 of 2 : SP\_2019\_RD0999\_236\_97\_20190307\_00044.jpg



View of fallen tree and levee scarp. Fall 2018

LM Start	<b>5.35</b>	Rating **	U	Issue No.	<b>97 (cont)</b>
LM End	<b>5.35</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0999\_236\_97\_20190307\_00045.jpg



View of fallen tree and levee scarp. Fall 2018

LM Start	5.38	Rating **	M	Issue No.	51
LM End	5.41	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.381490 °	38.381774 °
				-121.545477 °	-121.545964 °
DWR ID	DWR_RD0999_05_s_2012_51				
Comment Code					
FE : Fence					
Inspector Comment					
Fence is installed along waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_51\_20190307\_00023.jpg



Looking northeast at fence on waterside slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	5.42	Rating **	U	Issue No.	43
LM End	5.49	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.381815 °	38.382720 °
				-121.546058 °	-121.546748 °
DWR ID	DWR_RD0999_05_s_2012_43				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove ground cover blocking view of waterside slope.					

Photo 1 of 2 : SP\_2019\_RD0999\_236\_43\_20190307\_00021.jpg

Looking north at dense groundcover and vegetation on waterward slope.  
(Spring 2015)

LM Start	<b>5.42</b>	Rating **	U	Issue No.	<b>43 (cont)</b>
LM End	<b>5.49</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0999\_236\_43\_20190307\_00022.jpg



Looking northeast at dense groundcover and vegetation on waterside slope.

LM Start	5.43	Rating **	M	Issue No.	108
LM End	5.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.381957 °	38.381957 °
				-121.546200 °	-121.546200 °
DWR ID	DWR_RD0999_05_s_2019_108				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	5.43	Rating **	M	Issue No.	73
LM End	5.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.381968 °	38.382070 °
				-121.546182 °	-121.546290 °
DWR ID	DWR_RD0999_05_s_2019_73				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	5.45	Rating **	M	Issue No.	240
LM End	5.45	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.382153 °	38.382153 °
				-121.546387 °	-121.546387 °
DWR ID	23969				
Comment Code					
Inspector Comment					
FS_ID:16341					
DS_ID:23969					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine permit no. or remove. No pictures taken.					
FIELD_STRUCT_DESC: 1-inch polyvinyl chloride (PVC) irrigation line through the levee, at an unknown depth. Shutoff valves at hose bib on the waterside (WS) shoulder and in ground cover vegetation on the landside (LS) slope.					
FS Date: 6/28/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	5.48	Rating **	M	Issue No.	109
LM End	5.48	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.382603 °	38.382603 °
				-121.546668 °	-121.546668 °
DWR ID	DWR_RD0999_05_s_2019_109				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	5.50	Rating **	U	Issue No.	71
LM End	5.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.382790 °	38.383548 °
				-121.546754 °	-121.546728 °
DWR ID	DWR_RD0999_05_s_2012_71				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_71\_20190307\_00030.jpg



Looking northeast at dense vegetation on waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	5.50	Rating **	M	Issue No.	241
LM End	5.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.382821 °	38.382821 °
				-121.546661 °	-121.546661 °
DWR ID	22857				
Comment Code					
Inspector Comment					
FS_ID:15446 DS_ID:22857 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so appropriately. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 4 feet below the crown. Pump house and gate valve on the waterside (WS) slope. Vent on the landside (LS) slope, and a 42-inch concrete standpipe on the LS toe. Service pole on the LS slope with a 1.5-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 5.66) (8-inch pipe listed)]. FS Date: 6/28/2013					

LM Start	<b>5.50</b>	Rating **	M	Issue No.	<b>241 (cont)</b>
LM End	<b>5.50</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_15446\_25366.jpg



Pipe visible on LS slope with JP, Meter and electrical conduit, and concrete standpipe,

Photo 2 of 3 : UCIP\_SP\_2019\_15446\_25365.jpg



Corrugated metal pump house on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	5.50	Rating **	M	Issue No.	241 (cont)	
LM End	5.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.382821 °		38.382821 °
				-121.546661 °		-121.546661 °
DWR ID	22857					
Comment Code						
Inspector Comment						
FS_ID:15446 DS_ID:22857 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so appropriately. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 4 feet below the crown. Pump house and gate valve on the waterside (WS) slope. Vent on the landside (LS) slope, and a 42-inch concrete standpipe on the LS toe. Service pole on the LS slope with a 1.5-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 5.66) (8-inch pipe listed)]. FS Date: 6/28/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_15446\_25364.jpg



Vent on pipe at WS shoulder.

LM Start	5.57	Rating **	U	Issue No.	37
LM End	5.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.383780 °	38.383780 °
				-121.546590 °	-121.546590 °
DWR ID	DWR_RD0999_05_s_2017_37				
Comment Code					
BU : Building					
Inspector Comment					
Dilapidated horse pen on landside slope and fallen tree need to be removed from easement.					

Photo 1 of 2 : SP\_2019\_RD0999\_236\_37\_20190307\_00019.jpg



Looking northwest at dilapidated horse pen and fallen tree on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	5.57	Rating **	U	Issue No.	37 (cont)	
LM End	5.57	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.383780 °	38.383780 °	
				-121.546590 °	-121.546590 °	
DWR ID	DWR_RD0999_05_s_2017_37					
Comment Code						
BU : Building						
Inspector Comment						
Dilapidated horse pen on landside slope and fallen tree need to be removed from easement.						

Photo 2 of 2 : SP\_2019\_RD0999\_236\_37\_20190307\_00020.jpg



Looking west at dilapidated horse pen and fallen tree on landward slope.

LM Start	5.60	Rating **	M	Issue No.	75
LM End	5.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.384165 °	38.384165 °
				-121.546183 °	-121.546183 °
DWR ID	DWR_RD0999_05_s_2018_75				
Comment Code					
FW : Firewood					
Inspector Comment					
Landowner needs to move firewood from landside toe easement.					

No Photos

LM Start	5.67	Rating **	M	Issue No.	110
LM End	5.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.384468 °	38.384468 °
				-121.545038 °	-121.545038 °
DWR ID	DWR_RD0999_05_s_2019_110				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree logs and debris need to be cleared from levee easement.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	5.72	Rating **	M	Issue No.	99
LM End	5.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.384578 °	38.384578 °
				-121.544173 °	-121.544173 °
DWR ID	DWR_RD0999_05_f_2018_99				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Fallen tree lifted portion of levee toe.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_99\_20190307\_00046.jpg



View of fallen tree and slope damage. Fall 2018

LM Start	6.05	Rating **	M	Issue No.	216
LM End	6.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.387260 °	38.387415 °
				-121.541863 °	-121.541975 °
DWR ID	DWR_RD0999_05_s_2017_216				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landowner needs to remove fruit trees at landside toe.					

No Photos

LM Start	6.08	Rating **	M	Issue No.	77
LM End	6.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.387522 °	38.387522 °
				-121.542135 °	-121.542135 °
DWR ID	DWR_RD0999_05_s_2018_77				
Comment Code					
PI : Pipe					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_77\_20190307\_00032.jpg



Poles stored at landside toe looking northwest. Spring 2018

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	6.13	Rating **	M	Issue No.	242
LM End	6.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.388151 °	38.388151 °
				-121.542624 °	-121.542624 °
DWR ID	22890				
Comment Code					
Inspector Comment					
FS_ID:40791					
DS_ID:22890					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for crossing. Settlement over pipe alignment on crown.					
FIELD_STRUCT_DESC: 4-inch steel irrigation pipe through the levee, 1.5 feet below the crown. Pump on the waterside (WS). Filter, booster, and vent on the landside (LS) toe. Joint pole (JP) on the WS shoulder.					
FS Date: 7/10/2013					

LM Start	<b>6.13</b>	Rating **	M	Issue No.	<b>242 (cont)</b>
LM End	<b>6.13</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_40791\_27555.jpg



Pump on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_40791\_27554.jpg



Settlement along pipe alignment on crown.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0999 Netherlands

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	<b>6.20</b>	Rating **	M	Issue No.	<b>111</b>							
LM End	<b>6.21</b>	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Vegetation		38.389112 °	38.389313 °								
			-121.542912 °	-121.542955 °								
DWR ID	DWR_RD0999_05_s_2019_111											
Comment Code												
V2 : Remove the wild growth other than native grasses from the levee slopes.												
Inspector Comment												

No Photos

LM Start	<b>6.26</b>	Rating **	M	Issue No.	<b>155</b>							
LM End	<b>6.26</b>	Issue Type +	En	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.389946 °	38.389946 °								
			-121.542461 °	-121.542461 °								
DWR ID	DWR_RD0999_05_f_2013_155											
Comment Code												
RA : Ramp												
Inspector Comment												
Unauthorized ramp on landside slope.												

Photo 1 of 1 : SP\_2019\_RD0999\_236\_155\_20190307\_00065.jpg



Looking southwest at ramp on landward slope.

LM Start	<b>6.41</b>	Rating **	M	Issue No.	<b>112</b>							
LM End	<b>6.41</b>	Issue Type +	En	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.391203 °	38.391203 °								
			-121.540360 °	-121.540360 °								
DWR ID	DWR_RD0999_05_s_2019_112											
Comment Code												
EQ : Equipment												
Inspector Comment												
Equipment needs to be moved to at least 10' from the levee toe.												

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	6.44	Rating **	C	Issue No.	181
LM End	6.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.391502 °	38.391502 °
				-121.539897 °	-121.539897 °
DWR ID	DWR_RD0999_05_f_2015_181				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim trees on landside slope and toe.					

No Photos

LM Start	6.47	Rating **	M	Issue No.	244
LM End	6.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.391723 °	38.391723 °
				-121.539442 °	-121.539442 °
DWR ID	22860				
Comment Code					
Inspector Comment					
FS_ID:15604 DS_ID:22860 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 14-inch steel drainage pipe through the levee, 7.2 feet below the crown. Open 9-foot by 14-foot concrete pump pit on the waterside (WS) slope. Pipe has steel plate bolted over the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 6.61)]. FS Date: 7/10/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_15604\_25875.jpg



Pipe with steel plate bolted over opening at concrete pump pit on WS toe.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	6.47	Rating **	M	Issue No.	244 (cont)
LM End	6.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.391723 °	38.391723 °
				-121.539442 °	-121.539442 °
DWR ID	22860				
Comment Code					
Inspector Comment					
FS_ID:15604 DS_ID:22860 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 14-inch steel drainage pipe through the levee, 7.2 feet below the crown. Open 9-foot by 14-foot concrete pump pit on the waterside (WS) slope. Pipe has steel plate bolted over the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 6.61)]. FS Date: 7/10/2013					

Photo 2 of 2 : UCIP\_SP\_2019\_15604\_25874.jpg



Concrete pump pit on WS slope.

LM Start	6.56	Rating **	M	Issue No.	245
LM End	6.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.392788 °	38.392788 °
				-121.539047 °	-121.539047 °
DWR ID	23988				
Comment Code					
Inspector Comment					
FS_ID:16342 DS_ID:23988 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine Permit No. for this crossing. FIELD_STRUCT_DESC: 8-inch aluminum irrigation pipe over the top of the levee. Pipe blocks crown when in use. Portable pump on the waterside (WS) toe. FS Date: 7/10/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_16342\_27544.jpg



Pipe at crossing over crown.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	6.56	Rating **	M	Issue No.	245 (cont)
LM End	6.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.392788 °	38.392788 °
				-121.539047 °	-121.539047 °
DWR ID	23988				
Comment Code					
Inspector Comment					
FS_ID:16342 DS_ID:23988 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine Permit No. for this crossing. FIELD_STRUCT_DESC: 8-inch aluminum irrigation pipe over the top of the levee. Pipe blocks crown when in use. Portable pump on the waterside (WS) toe. FS Date: 7/10/2013					

Photo 2 of 2 : UCIP\_SP\_2019\_16342\_27543.jpg



Portable pump on WS toe.

LM Start	6.61	Rating **	M	Issue No.	132
LM End	6.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.393578 °	38.393578 °
				-121.539295 °	-121.539295 °
DWR ID	DWR_RD0999_05_f_2012_132				
Comment Code					
RA : Ramp					
Inspector Comment					
Landowner installed ramp on landside slope without permit.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_132\_20190307\_00055.jpg



Looking east at unauthorized ramp on landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	6.68	Rating **	U	Issue No.	93
LM End	6.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.394512 °	38.394991 °
				-121.539467 °	-121.539333 °
DWR ID	DWR_RD0999_05_s_2012_93				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Instruct landowner to trim and thin dense landscaping on landside slope.					

Photo 1 of 2 : SP\_2019\_RD0999\_236\_93\_20190307\_00038.jpg



Looking north at overgrown landscape on landside slope and toe.

LM Start	<b>6.68</b>	Rating **	U	Issue No.	<b>93 (cont)</b>
LM End	<b>6.71</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0999\_236\_93\_20190307\_00039.jpg



LM Start	6.73	Rating **	U	Issue No.	96
LM End	6.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.395234 °	38.395234 °
				-121.539323 °	-121.539323 °
DWR ID	DWR_RD0999_05_s_2012_96				
Comment Code					
MA : Material					
Inspector Comment					
Instruct landowner to remove firewood and other material from landside shoulder.					

Photo 1 of 4 : SP\_2019\_RD0999\_236\_96\_20190307\_00040.jpg



Fence, firewood, and material at landside shoulder.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	6.73	Rating **	U	Issue No.	96 (cont)	
LM End	6.73	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.395234 °		38.395234 °
				-121.539323 °		-121.539323 °
DWR ID	DWR_RD0999_05_s_2012_96					
Comment Code						
MA : Material						
Inspector Comment						
Instruct landowner to remove firewood and other material from landside shoulder.						

Photo 2 of 4 : SP\_2019\_RD0999\_236\_96\_20190307\_00041.jpg



Looking northeast at firewood and other material on landside shoulder.  
(Spring 2012)

LM Start	<b>6.73</b>	Rating **	U	Issue No.	<b>96 (cont)</b>
LM End	<b>6.73</b>	Issue Type +	En	Location *	LS

Photo 3 of 4 : SP\_2019\_RD0999\_236\_96\_20190307\_00042.jpg



Looking south at firewood and other material on landside shoulder and crown.

LM Start	<b>6.73</b>	Rating **	U	Issue No.	<b>96 (cont)</b>
LM End	<b>6.73</b>	Issue Type +	En	Location *	LS

Photo 4 of 4 : SP\_2019\_RD0999\_236\_96\_20190307\_00043.jpg



Looking north at firewood and other material on landside shoulder and crown.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	6.76	Rating **	U	Issue No.	226
LM End	6.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.395668 °	38.395668 °
				-121.539149 °	-121.539149 °
DWR ID	DWR_RD0999_05_s_2017_226				
Comment Code					
TA : Tank					
Inspector Comment					
Instruct landowner to remove large water tank on landside slope and other material from easement.					

Photo 1 of 2 : SP\_2019\_RD0999\_236\_226\_20190307\_00103.jpg



Looking west at water tank on landward slope.

LM Start	<b>6.76</b>	Rating **	U	Issue No.	<b>226 (cont)</b>
LM End	<b>6.76</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0999\_236\_226\_20190307\_00104.jpg



Looking west at water tank on landward slope and toe.

LM Start	6.76	Rating **	M	Issue No.	156
LM End	6.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.395707 °	38.396307 °
				-121.539157 °	-121.538177 °
DWR ID	DWR_RD0999_05_f_2013_156				
Comment Code					
EQ : Equipment					
Inspector Comment					
Instruct landowner to remove farm equipment from landside shoulder.					

Photo 1 of 3 : SP\_2019\_RD0999\_236\_156\_20190307\_00066.jpg



Looking north at farm equipment on landward shoulder (Fall 2014)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	6.76	Rating **	M	Issue No.	156 (cont)	
LM End	6.83	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.395707 °	38.396307 °	
				-121.539157 °	-121.538177 °	
DWR ID	DWR_RD0999_05_f_2013_156					
Comment Code						
EQ : Equipment						
Inspector Comment						
Instruct landowner to remove farm equipment from landside shoulder.						

Photo 2 of 3 : SP\_2019\_RD0999\_236\_156\_20190307\_00067.jpg



Looking north at farm equipment on landward shoulder.

LM Start	<b>6.76</b>	Rating **	M	Issue No.	<b>156 (cont)</b>
LM End	<b>6.83</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP\_2019\_RD0999\_236\_156\_20190307\_00068.jpg



Looking south at farm equipment on landward shoulder.

LM Start	6.82	Rating **	M	Issue No.	113
LM End	6.82	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.396213 °	38.396213 °
				-121.538370 °	-121.538370 °
DWR ID	DWR_RD0999_05_s_2019_113				
Comment Code					
MA : Material					
Inspector Comment					
Remove bricks from waterside shoulder.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	6.84	Rating **	M	Issue No.	115
LM End	6.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.396357 °	38.396612 °
				-121.537892 °	-121.537072 °
DWR ID	DWR_RD0999_05_s _ 2019_115				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.91	Rating **	M	Issue No.	116
LM End	6.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.396708 °	38.396708 °
				-121.536747 °	-121.536747 °
DWR ID	DWR_RD0999_05_s _ 2019_116				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	7.16	Rating **	M	Issue No.	117
LM End	7.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.399892 °	38.399892 °
				-121.536560 °	-121.536560 °
DWR ID	DWR_RD0999_05_s _ 2019_117				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	7.21	Rating **	M	Issue No.	118
LM End	7.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.400610 °	38.400610 °
				-121.537037 °	-121.537037 °
DWR ID	DWR_RD0999_05_s _ 2019_118				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	7.26	Rating **	M	Issue No.	119
LM End	7.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.401150 °	38.401150 °
				-121.537595 °	-121.537595 °
DWR ID	DWR_RD0999_05_s _ 2019_119				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	7.33	Rating **	M	Issue No.	120
LM End	7.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.401867 °	38.401867 °
				-121.538453 °	-121.538453 °
DWR ID	DWR_RD0999_05_s _ 2019_120				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



# Reclamation District No. 0999 Netherlands

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	7.51	Rating **	U	Issue No.	246 (cont)	
LM End	7.51	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.403744 °	38.403744 °	
				-121.540714 °	-121.540714 °	
DWR ID	22863					
Comment Code						
Inspector Comment						
FS_ID:53373 DS_ID:22863 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/26/2018 Same as last inspection; appears abandoned. Could not find outlet on LS. Erosion around WS concrete box base so crossing remains Urgent (D. Sanoski - DWR UCIP).07/07/2016 - Pipe abandoned and appears to be open inside the concrete box on the WS shoulder. No appurtenances visible from the LS. (T. Hatch/UCIP)07/10/2013 - Pipe abandoned and open on both ends. Concrete pump pit foundation undermined at WS toe. Pipe should be abandoned properly (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 14-inch (measured) steel irrigation pipe through the levee, 4.8 feet below the crown. 9-foot by 14-foot concrete pump pit on the waterside (WS) slope. Pipe open on the WS inlet to pump pit. [Additional Reference(s): DWR Levee Log, 1992, 16-inch pipe listed. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 7.60), abandoned 16-inch pipe listed]. FS Date: 7/26/2018 1:10:00 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_53373\_25936.jpg



Pipe open at pump pit on WS toe.

LM Start	7.52	Rating **	M	Issue No.	121
LM End	7.52	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.403772 °	38.403772 °
				-121.540750 °	-121.540750 °
DWR ID	DWR_RD0999_05_s_2019_121				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	7.54	Rating **	U	Issue No.	66
LM End	7.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.403895 °	38.404145 °
				-121.541113 °	-121.541835 °
DWR ID	DWR_RD0999_05_s_2012_66				
Comment Code					
V6 : Landscaping					
Inspector Comment					

LM Start	<b>7.54</b>	Rating **	U	Issue No.	<b>66 (cont)</b>
LM End	<b>7.58</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : SP\_2019\_RD0999\_236\_66\_20190307\_00026.jpg



Looking east at landscaping at bottom half of levee. (Spring 2017)

Photo 2 of 2 : SP\_2019\_RD0999\_236\_66\_20190307\_00027.jpg



Landscaping on landside slope blocking view of slope. (Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	7.57	Rating **	M	Issue No.	247
LM End	7.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.403993 °	38.403993 °
				-121.541626 °	-121.541626 °
DWR ID	22864				
Comment Code					
Inspector Comment					
FS_ID:15624 DS_ID:22864 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space needs to be grouted between the 12 and 14-inch pipes. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe sleeved through the 14-inch pipe through the levee, 7 feet below the crown. Annular space not grouted. 36-inch concrete standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 7.65), 12-inch pipe listed]. FS Date: 7/10/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_15624\_25969.jpg



12-inch pipe sleeved through 14-inch pipe at WS slope. Erosion around pipe on levee slopes-both sides of levee.

LM Start	<b>7.57</b>	Rating **	M	Issue No.	<b>247 (cont)</b>
LM End	<b>7.57</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_15624\_25968.jpg



Notice: No grout between sleeved pipes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	7.57	Rating **	M	Issue No.	247 (cont)	
LM End	7.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.403993 °		38.403993 °
				-121.541626 °		-121.541626 °
DWR ID	22864					
Comment Code						
Inspector Comment						
FS_ID:15624 DS_ID:22864 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space needs to be grouted between the 12 and 14-inch pipes. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe sleeved through the 14-inch pipe through the levee, 7 feet below the crown. Annular space not grouted. 36-inch concrete standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 7.65), 12-inch pipe listed]. FS Date: 7/10/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_15624\_25967.jpg



Pump on metal pier with walkway at WS toe

LM Start	7.58	Rating **	M	Issue No.	122
LM End	7.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.404097 °	38.404097 °
				-121.541807 °	-121.541807 °
DWR ID	DWR_RD0999_05_s_2019_122				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
Trailers need to be moved off of levee shoulder.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	7.63	Rating **	M	Issue No.	124
LM End	7.66	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.404548 °	38.404845 °
				-121.542543 °	-121.542967 °
DWR ID	DWR_RD0999_05_s_2019_124				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Ivy ground cover needs to be removed.					

No Photos

LM Start	7.67	Rating **	M	Issue No.	248	
LM End	7.67	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.404865 °		38.404865 °
				-121.543079 °		-121.543079 °
DWR ID	22866					
Comment Code						
Inspector Comment						
FS_ID:15742						
DS_ID:22866						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Unable to locate, but good location as there are sprinklers on both sides of the crown. Need to determine disposition of pipe.						
FIELD_STRUCT_DESC: 3-inch steel pipe of unknown purpose through the levee, 11.3 feet below the crown. Gate valve on the landside (LS) slope. Sprinklers located on both slopes of the levee. Location verified by electromagnetic survey. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 7.81)].						
FS Date: 7/10/2013						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	7.77	Rating **	M	Issue No.	249
LM End	7.77	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.406221 °	38.406221 °
				-121.543609 °	-121.543609 °
DWR ID	22867				
Comment Code					
Inspector Comment					
FS_ID:15643 DS_ID:22867 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to access property. Need to verify disposition of pipe. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 4 feet below the crown. Pump house on the waterside (WS) slope with a service pole on the levee crown. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 7.89)]. FS Date: 7/10/2013					

No Photos

LM Start	8.04	Rating **	M	Issue No.	250
LM End	8.04	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.409421 °	38.409421 °
				-121.541007 °	-121.541007 °
DWR ID	22881				
Comment Code					
Inspector Comment					
FS_ID:15683 DS_ID:22881 EP_NO: 13463 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe exposed in excavation on LS shoulder at what may be a leak. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 2.5 feet below the crown. Pump on pile structure with walkway on the waterside (WS) toe. 12-inch polyvinyl chloride (PVC) standpipe on the landside (LS) toe next to filter plant and shed. 1.5-inch polyvinyl chloride (PVC) electrical conduit at the same location. (12-inch pipe authorized under Permit No. 13463, 1982 - John Plyman, existing 8-inch pipe was grouted in-place). FS Date: 7/10/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_15683\_26102.jpg



Pump on metal pier with walkway on WS slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.04	Rating **	M	Issue No.	250 (cont)	
LM End	8.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.409421 °		38.409421 °
				-121.541007 °		-121.541007 °
DWR ID	22881					
Comment Code						
Inspector Comment						
FS_ID:15683 DS_ID:22881 EP_NO: 13463 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe exposed in excavation on LS shoulder at what may be a leak. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 2.5 feet below the crown. Pump on pile structure with walkway on the waterside (WS) toe. 12-inch polyvinyl chloride (PVC) standpipe on the landside (LS) toe next to filter plant and shed. 1.5-inch polyvinyl chloride (PVC) electrical conduit at the same location. (12-inch pipe authorized under Permit No. 13463, 1982 - John Plyman, existing 8-inch pipe was grouted in-place). FS Date: 7/10/2013						

LM Start	<b>8.04</b>	Rating **	M	Issue No.	<b>250 (cont)</b>
LM End	<b>8.04</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_15683\_26101.jpg



Air vent and butterfly valve at filter plant/shed. Meter on JP with electrical controls.

Photo 3 of 3 : UCIP\_SP\_2019\_15683\_26100.jpg



Pipe visible on LS shoulder with siphon breaker.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0999 Netherlands

Pipe visible inside pumphouse on WS slope.

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.05	Rating **	M	Issue No.	252 (cont)	
LM End	8.05	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.409488 °		38.409488 °
				-121.540833 °		-121.540833 °
DWR ID	22870					
Comment Code						
Inspector Comment						
FS_ID:15664 DS_ID:22870 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 2-inch galvanized iron domestic water line through the levee, 12.5 feet below the crown. Gate valve and domestic pressure system in pump house on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 8.14)]. FS Date: 7/10/2013						

Photo 2 of 2 : UCIP\_SP\_2019\_15664\_26083.jpg



Pipe visible inside pumphouse on WS slope.

LM Start	8.06	Rating **	M	Issue No.	87	
LM End	8.10	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.409532 °		38.409760 °
				-121.540667 °		-121.540080 °
DWR ID	DWR_RD0999_05_s_2012_87					
Comment Code						
V6 : Landscaping						
Inspector Comment						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.10	Rating **	M	Issue No.	253
LM End	8.10	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.409749 °	38.409749 °
				-121.540079 °	-121.540079 °
DWR ID	22871				
Comment Code					
Inspector Comment					
FS_ID:15685 DS_ID:22871 EP_NO: 4851 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to be abandoned and should be done so properly. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 6.2 feet below the crown. Gate valve in pump house on the waterside (WS) slope. Service poles on both slopes. (no permit found for the install of original 8-inch pipe; 20-foot section of existing 8-inch pipe was replaced with new 8-inch pipe work authorized under Permit No. 4851, 1965 - J. Plyman). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 8.23)]. FS Date: 7/10/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_15685\_26106.jpg



Pumphouse/concrete headwall on WS slopt.

LM Start	<b>8.10</b>	Rating **	M	Issue No.	<b>253 (cont)</b>
LM End	<b>8.10</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_15685\_26105.jpg



Possible location for original outlet on LS of Netherlands road.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.10	Rating **	M	Issue No.	253 (cont)	
LM End	8.10	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.409749 °		38.409749 °
				-121.540079 °		-121.540079 °
DWR ID	22871					
Comment Code						
Inspector Comment						
FS_ID:15685 DS_ID:22871 EP_NO: 4851 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to be abandoned and should be done so properly. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 6.2 feet below the crown. Gate valve in pump house on the waterside (WS) slope. Service poles on both slopes. (no permit found for the install of original 8-inch pipe; 20-foot section of existing 8-inch pipe was replaced with new 8-inch pipe work authorized under Permit No. 4851, 1965 - J. Plyman). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 8.23)]. FS Date: 7/10/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_15685\_26104.jpg



Pump and gate valve in pump house on WS toe.

LM Start	8.17	Rating **	M	Issue No.	125
LM End	8.17	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409880 °	38.409880 °
				-121.538703 °	-121.538703 °
DWR ID	DWR_RD0999_05_s_2019_125				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.27	Rating **	M	Issue No.	221
LM End	8.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409468 °	38.409468 °
				-121.537066 °	-121.537066 °
DWR ID	DWR_RD0999_05_f_2016_221				
Comment Code					
PO : Pole					
Inspector Comment					
Instruct landowner to remove wooden poles with lights from landside slope.					

Photo 1 of 2 : SP\_2019\_RD0999\_236\_221\_20190307\_00096.jpg



Looking east at wooden poles on landward shoulder.

LM Start	<b>8.27</b>	Rating **	M	Issue No.	<b>221 (cont)</b>
LM End	<b>8.27</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0999\_236\_221\_20190307\_00097.jpg



Looking north at wooden pole on landward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.29	Rating **	M	Issue No.	254
LM End	8.29	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.409264 °	38.409264 °
				-121.536659 °	-121.536659 °
DWR ID	22872				
Comment Code					
Inspector Comment					
FS_ID:15686 DS_ID:22872 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Type of pipe abandonment needs to be verified. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation pipe through the levee, 11.7 feet below the crown. No control valves. 1.5-inch galvanized iron electrical conduit found on the waterside (WS) slope at oak tree. 8-inch pipe debris visible on the WS slope. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 8.43)]. FS Date: 7/10/2013					

LM Start	<b>8.29</b>	Rating **	M	Issue No.	<b>254 (cont)</b>
LM End	<b>8.29</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_15686\_26109.jpg



8-inch pipe debris with 1.5-inch electrical conduit visible in background on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_15686\_26108.jpg



1.5-inch electrical conduit visible on WS slope next to oak.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.29	Rating **	M	Issue No.	254 (cont)	
LM End	8.29	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.409264 °	38.409264 °	
				-121.536659 °	-121.536659 °	
DWR ID	22872					
Comment Code						
Inspector Comment						
FS_ID:15686 DS_ID:22872 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Type of pipe abandonment needs to be verified. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation pipe through the levee, 11.7 feet below the crown. No control valves. 1.5-inch galvanized iron electrical conduit found on the waterside (WS) slope at oak tree. 8-inch pipe debris visible on the WS slope. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 8.43)]. FS Date: 7/10/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_15686\_26107.jpg



1.5-inch electrical conduit visible on WS slope next to oak.

LM Start	8.30	Rating **	M	Issue No.	81
LM End	8.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409209 °	38.409209 °
				-121.536511 °	-121.536511 °
DWR ID	DWR_RD0999_05_s_2018_81				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Instruct landowner to remove trees planted on landside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.35	Rating **	M	Issue No.	100
LM End	8.35	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.408752 °	38.408752 °
				-121.535720 °	-121.535720 °
DWR ID	DWR_RD0999_05_f_2018_100				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings need to be cleared.					

No Photos

LM Start	8.37	Rating **	M	Issue No.	86
LM End	8.41	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.408720 °	38.408569 °
				-121.535409 °	-121.534670 °
DWR ID	DWR_RD0999_05_s_2018_86				
Comment Code					
DE : Debris					
Inspector Comment					
Instruct landowner to remove debris and farming supplies stored on crown and waterside slope.					

No Photos

LM Start	8.39	Rating **	M	Issue No.	101
LM End	8.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.408586 °	38.408748 °
				-121.534992 °	-121.534437 °
DWR ID	DWR_RD0999_05_s_2012_101				
Comment Code					
FE : Fence					
Inspector Comment					
Fence installed without CVFPB permit in 2008. Fence extends from landside toe to landside shoulder.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_101\_20190307\_00047.jpg



Unauthorized fence at landside slope and shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.44	Rating **	C	Issue No.	88
LM End	8.54	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.408800 °	38.409835 °
				-121.534284 °	-121.533124 °
DWR ID	DWR_RD0999_05_s_2018_88				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
Crown is degraded by animal traffic.					

No Photos

LM Start	8.50	Rating **	M	Issue No.	187
LM End	8.50	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409395 °	38.409395 °
				-121.533593 °	-121.533593 °
DWR ID	DWR_RD0999_05_s_2015_187				
Comment Code					
FE : Fence					
Inspector Comment					
Landowner installed an electrical fence across levee crown without a permit.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_187\_20190307\_00087.jpg



Looking east at new electrical fence across levee crown and landward slope. (Spring 2015)

LM Start	8.50	Rating **	C	Issue No.	102
LM End	8.50	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.409421 °	38.409421 °
				-121.533520 °	-121.533520 °
DWR ID	DWR_RD0999_05_f_2018_102				
Comment Code					
Inspector Comment					
Levee segment LM 8.50-8.82 was inaccessible due to landowner's new locks. LMA needs to get the combinations.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.54	Rating **	C	Issue No.	195
LM End	8.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409880 °	38.409880 °
				-121.533078 °	-121.533078 °
DWR ID	DWR_RD0999_05_s_2014_195				
Comment Code					
FW : Firewood					
Inspector Comment					
Firewood stock piled on landside slope.					

No Photos

LM Start	8.54	Rating **	U	Issue No.	222
LM End	8.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409931 °	38.409931 °
				-121.533033 °	-121.533033 °
DWR ID	DWR_RD0999_05_f_2016_222				
Comment Code					
PL : Pool					
Inspector Comment					
Instruct landowner to remove slip and slide and pvc pipes on landside slope.					

Photo 1 of 3 : SP\_2019\_RD0999\_236\_222\_20190307\_00098.jpg



Encroachment waterslide landside looking north.

LM Start	<b>8.54</b>	Rating **	U	Issue No.	<b>222 (cont)</b>
LM End	<b>8.54</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP\_2019\_RD0999\_236\_222\_20190307\_00099.jpg



* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.54	Rating **	U	Issue No.	222 (cont)	
LM End	8.54	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.409931 °	38.409931 °	
				-121.533033 °	-121.533033 °	
DWR ID	DWR_RD0999_05_f_2016_222					
Comment Code						
PL : Pool						
Inspector Comment						
Instruct landowner to remove slip and slide and pvc pipes on landside slope.						

Photo 3 of 3 : SP\_2019\_RD0999\_236\_222\_20190307\_00100.jpg



LM Start	8.58	Rating **	M	Issue No.	196
LM End	8.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.410279 °	38.410279 °
				-121.532414 °	-121.532414 °
DWR ID	DWR_RD0999_05_s_2014_196				
Comment Code					
ST : Stairway					
Inspector Comment					
Landowner installed concrete stairs, sprinkler, and plantings on landside slope without CVFPB permit.					

Photo 1 of 2 : SP\_2019\_RD0999\_236\_196\_20190307\_00090.jpg



Looking east at concrete stairs, sprinklers, and plantings on landward slope.

LM Start	<b>8.58</b>	Rating **	M	Issue No.	<b>196 (cont)</b>
LM End	<b>8.58</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0999\_236\_196\_20190307\_00091.jpg



Looking north at concrete stairs on landward slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.59	Rating **	M	Issue No.	126
LM End	8.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.410283 °	38.410283 °
				-121.532353 °	-121.532353 °
DWR ID	DWR_RD0999_05_s_2012_126				
Comment Code					
V6 : Landscaping					
Inspector Comment					

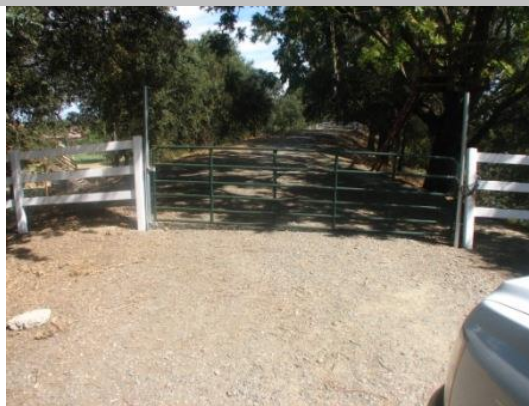
Photo 1 of 1 : SP\_2019\_RD0999\_236\_126\_20190307\_00051.jpg



Looking northeast at landscaping on landward slope.

LM Start	8.59	Rating **	M	Issue No.	103
LM End	8.59	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.410332 °	38.410332 °
				-121.532277 °	-121.532277 °
DWR ID	DWR_RD0999_05_s_2012_103				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_RD0999\_236\_103\_20190307\_00048.jpg



View of fence &amp; gate across levee crown, landside &amp; waterside slope.

LM Start	<b>8.59</b>	Rating **	M	Issue No.	<b>103 (cont)</b>
LM End	<b>8.59</b>	Issue Type +	En	Location *	CR

Photo 2 of 2 : SP\_2019\_RD0999\_236\_103\_20190307\_00049.jpg



Unauthorized fence that extends from landside toe to waterside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.61	Rating **	M	Issue No.	123
LM End	8.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.410434 °	38.410434 °
				-121.532050 °	-121.532050 °
DWR ID	DWR_RD0999_05_s_2012_123				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.62	Rating **	M	Issue No.	255
LM End	8.62	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.410531 °	38.410531 °
				-121.531785 °	-121.531785 °
DWR ID	23990				
Comment Code					
Inspector Comment					
FS_ID:16345 DS_ID:23990 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No for crossing or remove it. FIELD_STRUCT_DESC: 3-inch plastic irrigation hose over the top of the levee. Small portable pump on the waterside (WS) toe. FS Date: 7/10/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_16345\_27558.jpg



Portable pump on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.62	Rating **	M	Issue No.	255 (cont)	
LM End	8.62	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.410531 °	38.410531 °	
				-121.531785 °	-121.531785 °	
DWR ID	23990					
Comment Code						
Inspector Comment						
FS_ID:16345 DS_ID:23990 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No for crossing or remove it. FIELD_STRUCT_DESC: 3-inch plastic irrigation hose over the top of the levee. Small portable pump on the waterside (WS) toe. FS Date: 7/10/2013						

Photo 2 of 2 : UCIP\_SP\_2019\_16345\_27557.jpg



Plastic hose visible on LS toe.

LM Start	8.63	Rating **	M	Issue No.	104
LM End	8.63	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.410617 °	38.410617 °
				-121.531694 °	-121.531694 °
DWR ID	DWR_RD0999_05_s_2019_104				
Comment Code					
FE : Fence					
Inspector Comment					
There is an unauthorized fence and gate that extends from landside toe across levee crown to waterside toe.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_104\_20190307\_00050.jpg



View of unauthorized fence and gate that extends from landside toe across levee crown to waterside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.73	Rating **	M	Issue No.	134
LM End	8.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.411577 °	38.412619 °
				-121.530375 °	-121.529691 °
DWR ID	DWR_RD0999_05_f_2012_134				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					
Sprinklers on landside and waterside shoulder need a permit.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_134\_20190307\_00056.jpg



Looking at one of several sprinklers on waterward and landward slopes.

LM Start	8.73	Rating **	M	Issue No.	89
LM End	8.77	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.411637 °	38.411959 °
				-121.530312 °	-121.529838 °
DWR ID	DWR_RD0999_05_s_2018_89				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.75	Rating **	M	Issue No.	256
LM End	8.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.411805 °	38.411805 °
				-121.530044 °	-121.530044 °
DWR ID	23991				
Comment Code					
Inspector Comment					
FS_ID:16346 DS_ID:23991 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No. for crossing. FIELD_STRUCT_DESC: 1-inch polyvinyl chloride (PVC) sprinklers on both sides of the crown. Unclear where crossing occurs. No photos taken. FS Date: 7/10/2013					

No Photos

LM Start	8.77	Rating **	M	Issue No.	129
LM End	8.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.411977 °	38.411977 °
				-121.529730 °	-121.529730 °
DWR ID	DWR_RD0999_05_s_2019_129				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.82	Rating **	M	Issue No.	224
LM End	8.82	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.412718 °	38.412718 °
				-121.529724 °	-121.529724 °
DWR ID	DWR_RD0999_05_f_2016_224				
Comment Code					
FE : Fence					
Inspector Comment					
Landowner installed gate across levee crown without a permit.					

Photo 1 of 2 : SP\_2019\_RD0999\_236\_224\_20190307\_00101.jpg



Looking at code pad on right side of gate.

LM Start	<b>8.82</b>	Rating **	M	Issue No.	<b>224 (cont)</b>
LM End	<b>8.82</b>	Issue Type +	En	Location *	CR

Photo 2 of 2 : SP\_2019\_RD0999\_236\_224\_20190307\_00102.jpg



Looking west at code pad on right side of gate.

LM Start	8.83	Rating **	M	Issue No.	130
LM End	8.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.412788 °	38.412788 °
				-121.529682 °	-121.529682 °
DWR ID	DWR_RD0999_05_s_2019_130				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	8.86	Rating **	M	Issue No.	131
LM End	8.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.413310 °	38.413310 °
				-121.529747 °	-121.529747 °
DWR ID	DWR_RD0999_05_s_2019_131				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					
Sprinklers need a permit.					

No Photos

LM Start	8.90	Rating **	M	Issue No.	127
LM End	8.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.413780 °	38.414138 °
				-121.529727 °	-121.529772 °
DWR ID	DWR_RD0999_05_s_2012_127				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Instruct landowner to remove cactus and other plants from landside slope. Pomegranate trees on shoulder are not permitted on levee section. Sprinklers need a permit.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_127\_20190307\_00052.jpg



Looking west at cactus and other vegetation on landward slope.

LM Start	9.03	Rating **	M	Issue No.	133
LM End	9.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.415572 °	38.415572 °
				-121.529318 °	-121.529318 °
DWR ID	DWR_RD0999_05_s_2019_133				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	9.14	Rating **	M	Issue No.	200
LM End	9.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.415787 °	38.415787 °
				-121.527437 °	-121.527437 °
DWR ID	DWR_RD0999_05_f_2015_200				
Comment Code					
ST : Stairway					
Inspector Comment					
Landowner installed stairs on landside slope without permit.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_200\_20190307\_00093.jpg



Looking north at stairs on landward slope.

LM Start	9.15	Rating **	M	Issue No.	158
LM End	9.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.415709 °	38.415709 °
				-121.527393 °	-121.527393 °
DWR ID	DWR_RD0999_05_f_2013_158				
Comment Code					
EQ : Equipment					
Inspector Comment					
Instruct landowner to remove bleachers from landside shoulder.					

Photo 1 of 1 : SP\_2019\_RD0999\_236\_158\_20190307\_00069.jpg



Looking northeast at bleachers stored on landward shoulder.

LM Start	9.27	Rating **	M	Issue No.	135
LM End	9.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.414280 °	38.414280 °
				-121.526138 °	-121.526138 °
DWR ID	DWR_RD0999_05_s_2019_135				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2019 03/22/2019	Luz Dial

LM Start	9.39	Rating **	A/W	Issue No.	114
LM End	9.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.413377 °	38.413377 °
				-121.524500 °	-121.524500 °
DWR ID	DWR_RD0999_05_s_2012_114				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	9.44	Rating **	M	Issue No.	145
LM End	9.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.413755 °	38.413755 °
				-121.523723 °	-121.523723 °
DWR ID	DWR_RD0999_05_s_2013_145				
Comment Code					
FW : Firewood					
Inspector Comment					
Instruct landowner to remove firewood stockpile from levee easement.					

Photo 1 of 2 : SP\_2019\_RD0999\_236\_145\_20190307\_00058.jpg



Looking north at firewood pile at landside toe.

LM Start	<b>9.44</b>	Rating **	M	Issue No.	<b>145 (cont)</b>
LM End	<b>9.44</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0999\_236\_145\_20190307\_00059.jpg



Looking northwest at firewood at landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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